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Rio Blanco Oil Shale Company

MODULAR DEVELOPMENT PHASE MONITORING REPORT NINE

Volume 4 of 4

December 1980 – December 1981

Year End Report

U.S. DEPARTMENT OF INTERIOR
OIL SHALE
ENVIRONMENTAL ADVISORY PANEL
Denver Federal Center

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RIO BLANCO OIL SHALE COMPANY
MODULAR DEVELOPMENT PHASE
MONITORING REPORT 9

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December 1980 - December 1981
YEAR-END REPORT

Prepared by:
RIO BLANCO OIL SHALE COMPANY
DENVER, COLORADO

April 30, 1982

U. S. DEPARTMENT OF INTERIOR
OIL SHALE
ENVIRONMENTAL ADVISORY PANEL
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Special Studies/Ecological Interrelationships

APPENDIX 6-1

Experimental Revegetation Data and Analyses

APPENDIX 6-1.1

Plot R-1 Experimental Revegetation Data

Cover data (%) for species occurring within treatment combinations on Experimental Revegetation Plot R-1.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
1	LINUM LEWISII	1	6	3	1	2.75
2	ASTRAGALUS CICER	0	2	1	0	0.75
3	MELILOTUS OFFICINALIS	0	4	12	7	5.75
4	HEDYSARUM UTAHENSIS	0	3	4	0	1.75

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
5	MELILOTUS OFFICINALIS	4	1	4	1	2.50
6	SPHAERALCEA COCCINEA	1	0	1	0	0.50
7	LINUM LEWISII	0	3	3	3	2.25
8	PENSTEMON STRICTUS	0	1	0	0	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
9	HEDYSARUM UTAHENSIS	3	0	0	0	0.75
10	ASTRAGALUS CICER	12	0	0	11	5.75
11	LINUM LEWISII	1	1	1	1	1.00
12	MELILOTUS OFFICINALIS	0	0	9	2	2.75

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
13	SPHAERALCEA COCCINEA	1	0	0	0	0.25
14	MELILOTUS OFFICINALIS	5	4	4	3	4.00
15	LINUM LEWISII	3	5	4	7	4.75

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EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
16	MELILOTUS OFFICINALIS	7	1	3	0	2.75
17	LINUM LEWISII	3	1	15	5	6.00
18	ASTRAGALUS CICER	8	0	4	9	5.25
19	UNKNOWN FORBS	1	0	4	1	1.50

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
20	LINUM LEWISII	6	2	6	4	4.50
21	MELILOTUS OFFICINALIS	9	12	1	1	5.75
22	ASTRAGALUS CICER	0	0	0	1	0.25
23	PENSTEMON STRICTUS	0	0	0	1	0.25
24	HEDYSARUM UTAHENSIS	0	0	0	1	0.25

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
25	ASTRAGALUS CICER	3	0	0	0	0.75
26	LINUM LEWISII	8	3	3	1	3.75
27	MELILOTUS OFFICINALIS	6	6	1	1	3.50
28	PENSTEMON STRICTUS	0	1	0	0	0.25
29	SPHAERALCEA COCCINEA	0	0	0	4	1.00

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
30	MELILOTUS OFFICINALIS	25	9	1	1	9.0
31	PENSTEMON STRICTUS	1	0	1	0	0.5
32	LINUM LEWISII	1	1	1	1	1.0

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
33	LINUM LEWISII	1	0	5	6	3.00
34	PENSTEMON STRICTUS	1	0	0	1	0.50
35	ASTRAGALUS CICER	0	0	6	7	3.25
36	MELILOTUS OFFICINALIS	0	0	1	1	0.50
37	HEDYSARUM UTAHENSIS	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
38	ASTRAGALUS CICER	1	0	0	0	0.25
39	LINUM LEWISII	11	27	4	2	11.00
40	PENSTEMON STRICTUS	0	3	1	0	1.00

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
41	MELILOTUS OFFICINALIS	2	1	0	2	1.25
42	LINUM LEWISII	1	1	3	6	2.75
43	PENSTEMON STRICTUS	1	1	0	0	0.50
44	HEDYSARUM UTAHENSIS	0	3	0	0	0.75
45	ASTRAGALUS CICER	0	0	1	4	1.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
46	LINUM LEWISII	4	12	7	8	7.75
47	MELILOTUS OFFICINALIS	0	1	0	0	0.25
48	ASTRAGALUS CICER	0	0	1	0	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
49	MELILOTUS OFFICINALIS	2	1	1	0	1

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
50	LINUM LEWISII	0	1	1	2	1

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
51	ASTRAGALUS CICER	11	0	1	2	3.50
52	LINUM LEWISII	5	3	31	10	12.25
53	MELILOTUS OFFICINALIS	0	1	1	1	0.75

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
54	LINUM LEWISII	3	1	0	1	1.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
55	HEDYSARUM UTAHENSIS	2	0	0	1	0.75
56	LINUM LEWISII	6	11	11	2	7.50
57	MELILOTUS OFFICINALIS	0	0	1	4	1.25
58	PENSTEMON STRICTUS	0	0	1	0	0.25
59	ASTRAGALUS CICER	0	0	0	8	2.00
60	SPHAERALCEA COCCINEA	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
61	IPOMOPSIS AGGREGATA	1	1	1	0	0.75
62	CHAENACTIS DOUGLASII	0	1	0	1	0.50
63	PHYSARIA FLORIBUNDA	0	0	0	1	0.25
64	UNKNOWN FORBS	0	0	0	1	0.25

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
65	SISYMBRIUM LINIFOLIUM	1	1	0	0	0.50
66	UNKNOWN FORBS	1	2	1	0	1.00
67	CRYPTANTHA SERICEA	0	1	1	0	0.50
68	CHAENACTIS DOUGLASII	0	1	0	0	0.25
69	SENECIO MULTILOBATUS	0	1	1	1	0.75
70	IPOMOPSIS AGGREGATA	0	0	1	1	0.50
71	ASTRAGALUS PURSHII	0	0	1	0	0.25
72	HAPLOPPAPPUS NUTTALLII	0	0	0	1	0.25
73	PHYSARIA FLORIBUNDA	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
74	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
75	UNKNOWN FORBS	0	0	1	0	0.25
76	SENECIO MULTILOBATUS	0	0	0	1	0.25
77	PHLOX HOODII	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
78	HAPLOPPAPPUS NUTTALLII	1	2	0	0	0.75
79	IPOMOPSIS AGGREGATA	1	0	1	1	0.75
80	UNKNOWN FORBS	1	0	1	0	0.50
81	SENECIO MULTILOBATUS	1	0	0	1	0.50
82	PENSTEMON STRICTUS	0	1	0	5	1.50
83	PHYSARIA FLORIBUNDA	0	1	0	1	0.50
84	CHAENACTIS DOUGLASII	0	1	1	1	0.75

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
85	CHAENACTIS DOUGLASII	1	1	1	1	1.00
86	ASTRAGALUS PURSHII	1	0	0	1	0.50
87	IPOMOPSIS AGGREGATA	0	1	1	0	0.50
88	PHYSARIA FLORIBUNDA	0	0	1	1	0.50
89	SENECIO MULTILOBATUS	0	0	1	0	0.25
90	HAPLOPPAPPUS NUTTALLII	0	0	1	1	0.50
91	ASTRAGALUS DIVERSIFOLIUS	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
92	IPOMOPSIS AGGREGATA	3	0	1	0	1.00
93	CHAENACTIS DOUGLASII	1	0	0	1	0.50
94	UNKNOWN FORBS	1	0	1	0	0.50
95	SENECIO MULTILOBATUS	0	1	0	0	0.25
96	CRYPTANTHA SERICEA	0	1	1	0	0.50
97	PHYSARIA FLORIBUNDA	0	0	1	0	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
98	UNKNOWN FORBS	1	4	1	1	1.75
99	CHAENACTIS DOUGLASII	0	1	0	0	0.25
100	SISYMBRIUM LINIFOLIUM	0	0	6	0	1.50
101	SENECIO MULTILOBATUS	0	0	0	2	0.50
102	IPOMOPSIS AGGREGATA	0	0	0	1	0.25

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
103	TARAXACUM OFFICINALE	1	0	0	0	0.25
104	CRYPTANTHA SERICEA	8	0	0	0	2.00
105	SENECIO MULTILOBATUS	1	1	0	1	0.75
106	UNKNOWN FORBS	1	1	1	1	1.00
107	IPOMOPSIS AGGREGATA	0	1	1	1	0.75
108	ASTRAGALUS PURSHII	0	1	0	0	0.25
109	CHAENACTIS DOUGLASII	0	1	1	1	0.75
110	PHYSARIA FLORIBUNDA	0	1	1	0	0.50
111	ASTRAGALUS PURSHII	0	0	0	1	0.25
112	PHLOX HOODII	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
113	CHAENACTIS DOUGLASII	2	0	1	0	0.75
114	SENECIO MULTILOBATUS	0	0	2	0	0.50
115	CRYPTANTHA SERICEA	0	0	2	0	0.50
116	PHYSARIA FLORIBUNDA	0	0	0	1	0.25
117	UNKNOWN FORBS	0	0	0	2	0.50

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
118	CHAENACTIS DOUGLASII	1	0	1	1	0.75
119	IPOMOPSIS AGGREGATA	1	2	1	2	1.50
120	TARAXACUM OFFICINALE	1	0	0	0	0.25
121	SENECIO MULTILOBATUS	0	1	0	1	0.50
122	UNKNOWN FORBS	0	1	0	1	0.50
123	ASTRAGALUS DIVERSIFOLIUS	0	1	0	0	0.25
124	ASTRAGALUS PURSHII	0	0	1	0	0.25
125	CRYPTANTHA SERICEA	0	0	1	0	0.25
126	HAPLOPPAPPUS NUTTALLII	0	0	0	3	0.75
127	HEDYSARUM UTAHENSIS	0	0	0	3	0.75

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
128	CHAENACTIS DOUGLASII	3	1	1	1	1.50
129	HAPLOPPAPPUS NUTTALLII	3	1	3	0	1.75
130	UNKNOWN FORBS	1	2	5	2	2.50
131	IPOMOPSIS AGGREGATA	0	1	1	0	0.50
132	COMANDRA UMBELLATA	0	0	2	0	0.50
133	PHYSARIA FLORIBUNDA	0	0	1	0	0.25
134	CRYPTANTHA SERICEA	0	0	0	4	1.00
135	SENECIO MULTILOBATUS	0	0	0	1	0.25
136	LUPINUS SPECIES	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
137	UNKNOWN FORBS	2	0	1	1	1.00
138	CHAENACTIS DOUGLASII	1	0	0	1	0.50
139	IPOMOPSIS AGGREGATA	0	1	0	0	0.25
140	HAPLOPPAPPUS NUTTALLII	0	4	0	1	1.25
141	SENECIO MULTILOBATUS	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
142	CHAENACTIS DOUGLASII	1	2	1	0	1.00
143	IPOMOPSIS AGGREGATA	2	2	0	0	1.00
144	UNKNOWN FORBS	1	0	0	0	0.25
145	PHYSARIA FLORIBUNDA	0	0	1	0	0.25
146	HAPLOPPAPPUS NUTTALLII	0	0	0	1	0.25
147	PHLOX HOODII	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
148	IPOMOPSIS AGGREGATA	1	2	0	3	1.50
149	TARAXACUM OFFICINALE	1	0	0	0	0.25
150	PHYSARIA FLORIBUNDA	1	0	1	1	0.75
151	UNKNOWN FORBS	2	3	2	1	2.00
152	HAPLOPPAPPUS NUTTALLII	0	2	0	0	0.50
153	SENECIO MULTILOBATUS	0	2	0	0	0.50
154	CHAENACTIS DOUGLASII	0	1	0	0	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
155	CHAENACTIS DOUGLASII	1	0	0	1	0.50
156	TARAXACUM OFFICINALE	1	0	0	0	0.25
157	IPOMOPSIS AGGREGATA	0	1	3	0	1.00
158	SENECIO MULTILOBATUS	0	0	0	1	0.25
159	UNKNOWN FORBS	0	1	0	1	0.50
160	PHYSARIA FLORIBUNDA	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
161	UNKNOWN FORBS	1	1	2	2	1.50
162	CHAENACTIS DOUGLASII	1	1	0	0	0.50
163	HAPLOPPAPPUS NUTTALLII	0	1	0	0	0.25
164	IPOMOPSIS AGGREGATA	0	0	1	0	0.25
165	PHYSARIA FLORIBUNDA	0	0	0	1	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
166	STIPA VIRIDULA	3	1	1	2	1.75
167	AGROPYRON SPECIES	21	17	16	24	19.50
168	AGROPYRON TRICHOPHORUM	0	1	3	2	1.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
169	STIPA VIRIDULA	1	2	0	1	1.0
170	AGROPYRON SPECIES	16	7	11	14	12.0
171	ORYZOPSIS HYMENOIDES	1	0	0	1	0.5
172	AGROPYRON TRICHOPHORUM	0	3	0	1	1.0

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
173	STIPA VIRIDULA	1	1	3	0	1.25
174	AGROPYRON SPECIES	19	22	15	16	18.00
175	ELYMUS CINEREUS	0	1	0	1	0.50
176	ORYZOPSIS HYMENOIDES	0	1	6	0	1.75
177	AGROPYRON TRICHOPHORUM	0	5	0	1	1.50

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
178	AGROPYRON SPECIES	19	16	14	3	13.00
179	ORYZOPSIS HYMENOIDES	0	1	0	0	0.25
180	AGROPYRON TRICHOPHORUM	0	1	3	0	1.00
181	STIPA VIRIDULA	0	0	2	1	0.75

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
182	AGROPYRON SPECIES	14	30	11	17	18.00
183	STIPA VIRIDULA	1	3	1	4	2.25
184	AGROPYRON TRICHOPHORUM	0	2	1	0	0.75
185	ORYZOPSIS HYMENOIDES	0	0	1	1	0.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
186	STIPA VIRIDULA	3	4	0	1	2.0
187	AGROPYRON TRICHOPHORUM	1	2	4	5	3.0
188	AGROPYRON SPECIES	16	9	13	16	13.5

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
189	STIPA VIRIDULA	11	0	4	7	5.50
190	AGROPYRON TRICHOPHORUM	10	0	0	1	2.75
191	AGROPYRON SPECIES	7	1	12	11	7.75
192	ORYZOPSIS HYMENOIDES	0	6	0	0	1.50

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
193	AGROPYRON TRICHOPHORUM	1	0	0	0	0.25
194	AGROPYRON SPECIES	6	7	10	20	10.75
195	STIPA VIRIDULA	0	3	0	1	1.00

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
196	ORYZOPSIS HYMENOIDES	2	0	0	0	0.50
197	AGROPYRON SPECIES	9	15	5	14	10.75
198	STIPA VIRIDULA	2	6	4	1	3.25
199	AGROPYRON TRICHOPHORUM	8	7	5	4	6.00

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
200	AGROPYRON SPECIES	14	4	4	2	6.00
201	ORYZOPSIS HYMENOIDES	0	0	12	8	5.00
202	STIPA VIRIDULA	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
203	AGROPYRON SPECIES	1	29	4	15	12.25
204	AGROPYRON TRICHOPHORUM	0	4	0	0	1.00

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
205	AGROPYRON TRICHOPHORUM	2	0	0	0	0.50
206	STIPA VIRIDULA	2	3	3	0	2.00
207	AGROPYRON SPECIES	19	15	16	16	16.50
208	ORYZOPSIS HYMENOIDES	0	1	0	0	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
209	STIPA VIRIDULA	2	0	1	3	1.50
210	AGROPYRON TRICHOPHORUM	2	4	2	4	3.00
211	AGROPYRON SPECIES	24	21	27	19	22.75

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
212	STIPA VIRIDULA	3	6	0	3	3.00
213	AGROPYRON SPECIES	7	9	6	13	8.75
214	AGROPYRON TRICHOPHORUM	1	0	1	3	1.25
215	ORYZOPSIS HYMENOIDES	1	0	0	0	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
216	ELYMUS CINEREUS	1	0	0	0	0.25
217	ORYZOPSIS HYMENOIDES	5	0	3	0	2.00
218	AGROPYRON TRICHOPHORUM	2	1	0	2	1.25
219	AGROPYRON SPECIES	11	22	11	23	16.75

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
220	STIPA VIRIDULA	0	1	4	1	1.5

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
221	STIPA VIRIDULA	4	5	3	3	3.75
222	AGROPYRON SPECIES	22	12	11	19	16.00
223	AGROPYRON TRICHOPHORUM	0	5	8	2	3.75

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
224	AGROPYRON CRISTATUM	1	0	0	0	0.25
225	SITANION HYSTRIX	0	0	0	0	0.00

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
226	SITANION HYSTRIX	2	0	6	1	2.25
227	AGROPYRON CRISTATUM	1	1	0	0	0.50
228	BROMUS TECTORUM	1	0	2	5	2.00

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
229	BROMUS TECTORUM	2	2	1	0	1.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
230	POA SPECIES	0	0	0	9	2.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
231	BROMUS TECTORUM	0	0	0	1	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
232	BROMUS TECTORUM	2	11	1	0	3.5
233	POA SPECIES	0	0	2	0	0.5

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
234	BROMUS TECTORUM	2	9	0	3	3.50
235	SITANION HYSTRIX	1	1	0	0	0.50
236	STIPA COMATA	0	13	0	0	3.25
237	POA SPECIES	0	0	3	2	1.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
238	BROMUS TECTORUM	10	2	18	0	7.50
239	SITANION HYSTRIX	2	2	4	0	2.00
240	KOELERIA CRISTATA	0	4	0	0	1.00
241	AGROPYRON CRISTATUM	0	0	5	0	1.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
242	BROMUS TECTORUM	4	0	0	0	1.00
243	POA SPECIES	0	0	3	0	0.75

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
244	BROMUS TECTORUM	1	0	0	0	0.25
245	SITANION HYSTRIX	0	5	0	0	1.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
246	SITANION HYSTRIX	3	0	0	1	1.00
247	BROMUS TECTORUM	12	1	1	13	6.75
248	KOELERIA CRISTATA	2	0	0	0	0.50
249	STIPA VIRIDULA	0	1	1	0	0.50 — planted

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
250	BROMUS TECTORUM	2	0	2	0	1.00
251	SITANION HYSTRIX	0	0	0	7	1.75

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
252	AGROPYRON CRISTATUM	1	0	0	2	0.75
253	SITANION HYSTRIX	0	1	0	0	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
254	BROMUS TECTORUM	21	11	0	0	8

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
255	BROMUS TECTORUM	24	6	5	2	9.25
256	KOELERIA CRISTATA	0	0	0	1	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
257	BROMUS TECTORUM	0	0	2	2	1.00
258	AGROPYRON CRISTATUM	0	0	0	1	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
259	CHRYSOTHAMNUS NAUSEOSUS	0	6	3	1	2.50
260	CERATOIDES LANATA	0	1	1	0	0.50
261	PURSHIA TRIDENTATA	0	0	1	2	0.75

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
262	CERATOIDES LANATA	5	0	0	0	1.25
263	CHRYSOTHAMNUS NAUSEOSUS	1	1	0	0	0.50
264	PURSHIA TRIDENTATA	0	1	0	0	0.25
265	ARTEMISIA TRIDENTATA	0	0	5	0	1.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
266	CHRYSOTHAMNUS NAUSEOSUS	2	0	7	0	2.25
267	CERATOIDES LANATA	0	4	1	0	1.25

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
268	CHRYSOTHAMNUS NAUSEOSUS	5	0	0	0	1.25
269	CHRYSOTHAMNUS VISIDIFLORUS	0	8	0	0	2.00
270	CERATOIDES LANATA	0	1	0	0	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
271	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	0	0.25
272	CERATOIDES LANATA	0	1	1	0	0.50
273	PURSHIA TRIDENTATA	0	0	0	5	1.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
274	CHRYSOTHAMNUS NAUSEOSUS	1	11	0	1	3.25
275	CERATOIDES LANATA	0	0	2	1	0.75

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
276	ARTEMISIA TRIDENTATA	6	0	0	6	3.00
277	CHRYSOTHAMNUS NAUSEOSUS	0	1	9	3	3.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
278	CHRYSOTHAMNUS NAUSEOSUS	1	0	1	0	0.50
279	CERATOIDES LANATA	1	1	0	0	0.50
280	ARTEMISIA TRIDENTATA	0	0	0	1	0.25

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
281	CHRYSOTHAMNUS NAUSEOSUS	0	0	3	0	0.75
282	ARTEMISIA TRIDENTATA	0	0	4	0	1.00

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
283	CERATOIDES LANATA	0	1	0	0	0.25
284	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	1	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
285	CHRYSOTHAMNUS NAUSEOSUS	1	1	0	0	0.50
286	ARTEMISIA TRIDENTATA	1	.	0	0	0.25
287	CERATOIDES LANATA	0	1	0	0	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
288	ARTEMISIA TRIDENTATA	0	2	0	0	0.50
289	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	0	0.25
290	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	0	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
291	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	1	0.5
292	CERATOIDES LANATA	0	0	2	0	0.5

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
293	CHRYSOTHAMNUS VISIDIFLORUS	0	17	0	0	4.25
294	PURSHIA TRIDENTATA	0	0	0	1	0.25
295	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	1	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
296	CERATOIDES LANATA	0	2	0	0	0.5
297	ARTEMISIA TRIDENTATA	0	1	3	0	1.0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
298	CERATOIDES LANATA	2	0	0	0	0.50
299	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	0	0.25
300	ARTEMISIA TRIDENTATA	0	0	1	1	0.50
301	PURSHIA TRIDENTATA	0	0	0	1	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
302	GUTIERREZIA SAROTHRAE	0	2	3	1	1.5

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
303	GUTIERREZIA SAROTHRAE	1	0	7	1	2.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
304	GUTIERREZIA SAROTHRAE	0	0	3	0	0.75

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
305	GUTIERREZIA SAROTHRAE	1	0	0	4	1.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
306	GUTIERREZIA SAROTHRAE	0	3	0	0	0.75
307	AMELANCHIER UTAHENSIS	0	0	1	0	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
308	GUTIERREZIA SAROTHRAE	0	0	1	1	0.5

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
309	GUTIERREZIA SAROTHRAE	1	0	0	0	0.25
310	AMELANCHIER UTAHENSIS	0	0	0	1	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
311	GUTIERREZIA SAROTHRAE	1	0	0	1	0.5

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
312	GUTIERREZIA SAROTHRAE	0	5	0	0	1.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
313	GUTIERREZIA SAROTHRAE	1	0	8	13	5.5

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
314	GUTIERREZIA SAROTHRAE	0	0	0	2	0.5

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
315	GUTIERREZIA SAROTHRAE	0	0	1	0	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
316	GUTIERREZIA SAROTHRAE	0	0	0	1	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
317	GUTIERREZIA SAROTHRAE	0	0	17	0	4.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
318	GUTIERREZIA SAROTHRAE	1	0	0	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
319	MELILOTUS OFFICINALIS	10	1	1	1	3.25
320	ASTRAGALUS CICER	5	0	0	0	1.25
321	LINUM LEWISII	2	13	1	6	5.50
322	SPHAERALCEA COCCINEA	0	1	0	1	0.50

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
323	LINUM LEWISII	8	26	4	8	11.50
324	ASTRAGALUS CICER	12	0	0	0	3.00
325	MELILOTUS OFFICINALIS	1	1	4	3	2.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
326	LINUM LEWISII	0	1	1	5	1.75
327	MELILOTUS OFFICINALIS	2	2	2	1	1.75
328	SPHAERALCEA COCCINEA	0	1	1	0	0.50

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
329	LINUM LEWISII	3	4	2	1	2.50
330	MELILOTUS OFFICINALIS	6	1	16	0	5.75
331	ASTRAGALUS CICER	1	0	1	0	0.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
332	MELILOTUS OFFICINALIS	14	28	22	13	19.25
333	ASTRAGALUS CICER	8	0	0	1	2.25
334	LINUM LEWISII	12	9	3	1	6.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
335	MELILOTUS OFFICINALIS	3	0	16	16	8.75
336	ASTRAGALUS CICER	6	0	0	18	6.00
337	LINUM LEWISII	0	0	12	2	3.50

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
338	LINUM LEWISII	2	0	0	2	1.00
339	MELILOTUS OFFICINALIS	3	7	2	11	5.75
340	SPHAERALCEA COCCINEA	1	0	0	0	0.25
341	ASTRAGALUS CICER	0	8	12	0	5.00

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
342	ASTRAGALUS CICER	17	0	21	0	9.50
343	MELILOTUS OFFICINALIS	3	6	3	11	5.75
344	HEDYSARUM UTAHENSIS	0	0	0	1	0.25
345	SPHAERALCEA COCCINEA	0	1	0	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
346	LINUM LEWISII	0	2	1	10	3.25
347	MELILOTUS OFFICINALIS	0	1	1	1	0.75
348	ASTRAGALUS CICER	0	0	4	0	1.00

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
349	LINUM LEWISII	8	4	13	10	8.75
350	MELILOTUS OFFICINALIS	11	3	3	15	8.00
351	ASTRAGALUS CICER	0	13	19	2	8.50

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
352	LINUM LEWISII	9	7	5	6	6.75
353	MELILOTUS OFFICINALIS	19	5	7	9	10.00
354	SPHAERALCEA COCCINEA	2	0	0	0	0.50
355	ASTRAGALUS CICER	0	0	7	13	5.00
356	HEDYSARUM UTAHENSIS	0	0	5	0	1.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
357	LINUM LEWISII	5	5	11	14	8.75
358	ASTRAGALUS CICER	1	0	0	0	0.25
359	MELILOTUS OFFICINALIS	0	0	2	2	1.00
360	SPHAERALCEA COCCINEA	0	0	0	1	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
361	MELILOTUS OFFICINALIS	1	0	0	1	0.5
362	LINUM LEWISII	3	1	5	1	2.5

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
363	LINUM LEWISII	15	1	1	0	4.25
364	ASTRAGALUS CICER	4	0	0	3	1.75
365	MELILOTUS OFFICINALIS	1	0	1	1	0.75

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
366	SPHAERALCEA COCCINEA	0	0	0	1	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
367	MELILOTUS OFFICINALIS	6	11	10	21	12.0
368	LINUM LEWISII	6	1	12	3	5.5
369	ASTRAGALUS CICER	2	24	3	5	8.5

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
370	LINUM LEWISII	12	0	0	1	3.25
371	ASTRAGALUS CICER	1	0	0	0	0.25
372	MELILOTUS OFFICINALIS	0	0	0	1	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
373	UNKNOWN FORBS	1	0	0	0	0.25
374	IPOMOPSIS AGGREGATA	1	1	1	1	1.00
375	CHAENACTIS DOUGLASII	1	1	1	0	0.75
376	SENECIO MULTILOBATUS	0	2	0	1	0.75

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
377	SENECIO MULTILOBATUS	1	1	1	0	0.75
378	PHYSARIA FLORIBUNDA	1	1	0	0	0.50
379	CHAENACTIS DOUGLASII	1	0	1	3	1.25
380	CRYPTANTHA SERICEA	0	1	1	0	0.50
381	IPOMOPSIS AGGREGATA	0	0	1	1	0.50
382	UNKNOWN COMPOSITE	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
383	IPOMOPSIS AGGREGATA	0	2	2	1	1.25
384	SENECIO MULTILOBATUS	0	1	1	1	0.75
385	CHAENACTIS DOUGLASII	1	0	0	0	0.25
386	UNKNOWN COMPOSITE	0	1	0	0	0.25
387	PENSTEMON SPECIES	0	1	0	0	0.25
388	CRYPTANTHA SERICEA	0	0	1	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
389	IPOMOPSIS AGGREGATA	1	0	0	0	0.25
390	SENECIO MULTILOBATUS	0	1	0	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
391	IPOMOPSIS AGGREGATA	4	1	0	0	1.25
392	ASTRAGALUS PURSHII	0	0	2	0	0.50
393	CHAENACTIS DOUGLASII	1	0	1	0	0.50
394	SENECIO MULTILOBATUS	0	1	1	0	0.50
395	CRYPTANTHA SERICEA	0	1	0	0	0.25
396	SENECIO MULTILOBATUS	0	0	0	1	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
397	IPOMOPSIS AGGREGATA	1	0	0	1	0.50
398	ASTRAGALUS PURSHII	1	0	0	0	0.25
399	CHAENACTIS DOUGLASII	1	1	0	1	0.75
400	SENECIO MULTILOBATUS	0	1	1	1	0.75
401	PHYSARIA FLORIBUNDA	0	1	0	0	0.25

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EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
402	UNKNOWN FORBS	2	1	0	0	0.75
403	CHAENACTIS DOUGLASII	2	0	1	0	0.75
404	SENECIO MULTILOBATUS	0	1	0	1	0.50
405	IPOMOPSIS AGGREGATA	0	0	0	2	0.50
406	UNKNOWN FORBS	0	0	0	1	0.25

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
407	CHAENACTIS DOUGLASII	4	1	0	1	1.50
408	PHYSARIA FLORIBUNDA	0	1	0	4	1.25
409	IPOMOPSIS AGGREGATA	0	3	0	0	0.75
410	UNKNOWN FORBS	0	1	0	0	0.25

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
411	UNKNOWN FORBS	1	0	0	2	0.75
412	UNKNOWN FORBS	1	5	0	1	1.75
413	CHAENACTIS DOUGLASII	1	2	0	1	1.00
414	PHYSARIA FLORIBUNDA	1	1	0	1	0.75
415	ASTRAGALUS PURSHII	0	1	0	0	0.25
416	SALSOLA KALI	0	1	0	0	0.25
417	IPOMOPSIS AGGREGATA	0	0	0	1	0.25
418	HAPLOPPAPPUS NUTTALLII	0	0	0	1	0.25

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
419	CHAENACTIS DOUGLASII	2	4	0	0	1.50
420	PHLOX SPECIES	1	0	0	0	0.25
421	SENECIO MULTILOBATUS	1	1	0	0	0.50
422	CRYPTANTHA SERICEA	0	1	0	0	0.25
423	PHYSARIA FLORIBUNDA	0	0	1	1	0.50
424	IPOMOPSIS AGGREGATA	0	0	2	0	0.50

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
425	UNKNOWN FORBS	0	0	0	2	0.5

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
426	ASTRAGALUS PURSHII	1	0	2	0	0.75
427	PHLOX HOODII	0	1	0	0	0.25
428	CHAENACTIS DOUGLASII	0	3	0	0	0.75
429	PHYSARIA FLORIBUNDA	0	1	0	0	0.25
430	SENECIO MULTILOBATUS	0	1	0	0	0.25
431	CRYPTANTHA SERICEA	0	0	1	0	0.25
432	LUPINUS ARGENTEUS	0	0	0	1	0.25
433	ASTRAGALUS DIVERSIFOLIUS	0	0	0	1	0.25
434	UNKNOWN FORBS	0	0	0	1	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
435	CRYPTANTHA SERICEA	1	1	0	0	0.50
436	CHAENACTIS DOUGLASII	0	0	1	1	0.50
437	ASTRAGALUS PURSHII	0	0	1	0	0.25
438	UNKNOWN FORBS	0	0	1	0	0.25
439	UNKNOWN COMPOSITE	0	0	0	1	0.25
440	SENECIO MULTILOBATUS	0	0	0	1	0.25
441	HAPLOPPAPPUS SPECIES	0	0	0	1	0.25
442	LUPINUS ARGENTEUS	0	0	0	1	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
443	ASTRAGALUS PURSHII	0	1	0	0	0.25
444	HAPLOPPAPPUS SPECIES	0	0	0	1	0.25
445	CRYPTANTHA SERICEA	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
446	HAPLOPPAPPUS NUTTALLII	5	0	0	0	1.25
447	IPOMOPSIS AGGREGATA	2	2	1	0	1.25
448	HAPLOPPAPPUS SPECIES	0	1	0	0	0.25
449	CHAENACTIS DOUGLASII	0	1	7	1	2.25
450	ASTER SPECIES	0	1	0	0	0.25
451	UNKNOWN FORBS	0	0	1	1	0.50
452	CRYPTANTHA SERICEA	0	0	13	0	3.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
453	ASTRAGALUS PURSHII	1	0	0	0	0.25
454	CRYPTANTHA SERICEA	1	0	1	0	0.50
455	HAPLOPPAPPUS NUTTALLII	0	0	1	0	0.25
456	CHAENACTIS DOUGLASII	0	0	0	1	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
457	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
458	CRYPTANTHA SERICEA	1	0	5	0	1.50
459	CHAENACTIS DOUGLASII	1	0	0	0	0.25
460	SENECIO MULTILOBATUS	1	0	0	0	0.25
461	IPOMOPSIS AGGREGATA	0	0	1	0	0.25
462	LUPINUS ARGENTEUS	0	0	0	1	0.25
463	UNKNOWN FORBS	0	0	0	7	1.75
464	CREPIS OCCIDENTALIS	0	0	0	1	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
465	STIPA VIRIDULA	2	9	7	0	4.50
466	AGROPYRON SPECIES	18	8	23	14	15.75
467	AGROPYRON TRICHOPHORUM	0	0	3	0	0.75
468	ELYMUS CINEREUS	0	0	1	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
469	ORYZOPSIS HYMENOIDES	3	1	2	6	3.00
470	AGROPYRON TRICHOPHORUM	6	2	4	1	3.25
471	AGROPYRON SPECIES	10	10	13	2	8.75
472	STIPA VIRIDULA	4	0	6	5	3.75

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
473	STIPA VIRIDULA	4	2	3	2	2.75
474	ORYZOPSIS HYMENOIDES	0	2	0	2	1.00
475	AGROPYRON SPECIES	16	21	17	9	15.75
476	AGROPYRON TRICHOPHORUM	4	0	0	0	1.00

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
477	STIPA VIRIDULA	5	18	9	29	15.25
478	ORYZOPSIS HYMENOIDES	3	0	1	0	1.00
479	AGROPYRON TRICHOPHORUM	3	0	0	4	1.75
480	AGROPYRON SPECIES	19	9	11	5	11.00

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
481	STIPA VIRIDULA	8	2	5	4	4.75
482	ORYZOPSIS HYMENOIDES	2	0	0	0	0.50
483	AGROPYRON TRICHOPHORUM	4	0	3	11	4.50
484	AGROPYRON SPECIES	4	11	19	8	10.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
485	STIPA VIRIDULA	3	3	2	3	2.75
486	AGROPYRON TRICHOPHORUM	7	0	0	2	2.25
487	AGROPYRON SPECIES	17	16	5	14	13.00

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
488	STIPA VIRIDULA	4	9	6	3	5.50
489	AGROPYRON SPECIES	27	14	11	27	19.75
490	AGROPYRON TRICHOPHORUM	1	0	6	0	1.75
491	ELYMUS CINEREUS	0	4	1	0	1.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
492	LINUM LEWISII	9	1	4	3	4.25
493	AGROPYRON SPECIES	16	4	10	8	9.50
494	AGROPYRON SPECIES	16	4	10	8	9.50
495	ORYZOPSIS HYMENOIDES	1	2	0	0	0.75
496	STIPA VIRIDULA	1	6	5	4	4.00
497	ELYMUS CINEREUS	0	0	1	0	0.25
498	ELYMUS CINEREUS	0	0	1	0	0.25
499	AGROPYRON TRICHOPHORUM	0	12	2	0	3.50

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
500	AGROPYRON TRICHOPHORUM	2	0	0	0	0.50
501	STIPA VIRIDULA	9	0	3	2	3.50
502	AGROPYRON SPECIES	5	14	34	11	16.00
503	ORYZOPSIS HYMENOIDES	0	3	0	0	0.75

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
504	ORYZOPSIS HYMENOIDES	7	0	0	5	3.00
505	STIPA VIRIDULA	3	3	4	0	2.50
506	AGROPYRON TRICHOPHORUM	3	0	2	2	1.75
507	AGROPYRON SPECIES	10	15	7	3	8.75

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
508	STIPA VIRIDULA	3	10	6	1	5.00
509	AGROPYRON TRICHOPHORUM	7	0	3	4	3.50
510	AGROPYRON SPECIES	4	6	12	6	7.00
511	ELYMUS CINEREUS	0	5	0	0	1.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
512	STIPA VIRIDULA	6	3	5	7	5.25
513	AGROPYRON TRICHOPHORUM	4	2	1	1	2.00
514	AGROPYRON SPECIES	15	11	13	2	10.25
515	ORYZOPSIS HYMENOIDES	6	0	0	6	3.00

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
516	AGROPYRON TRICHOPHORUM	6	10	5	3	6.00
517	AGROPYRON SPECIES	16	19	14	16	16.25
518	STIPA VIRIDULA	3	5	4	2	3.50
519	ORYZOPSIS HYMENOIDES	0	0	0	4	1.00

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
520	STIPA VIRIDULA	1	17	1	19	9.50
521	AGROPYRON SPECIES	18	23	4	4	12.25
522	ORYZOPSIS HYMENOIDES	0	1	0	2	0.75
523	AGROPYRON TRICHOPHORUM	0	0	2	2	1.00

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
524	AGROPYRON SPECIES	9	13	8	14	11.0
525	AGROPYRON TRICHOPHORUM	5	3	3	3	3.5
526	STIPA VIRIDULA	1	7	6	6	5.0
527	ORYZOPSIS HYMENOIDES	0	1	5	0	1.5

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
528	STIPA VIRIDULA	1	9	24	1	8.75
529	ORYZOPSIS HYMENOIDES	3	0	0	1	1.00
530	AGROPYRON SPECIES	5	45	4	2	14.00
531	AGROPYRON TRICHOPHORUM	0	4	3	3	2.50

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
532	BROMUS TECTORUM	9	0	0	18	6.75
533	SITANION HYSTRIX	2	3	3	4	3.00

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
534	SITANION HYSTRIX	0	1	5	8	3.50
535	POA SPECIES	0	0	0	3	0.75
536	AGROPYRON CRISTATUM	0	1	0	0	0.25

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
537	AGROPYRON CRISTATUM	2	0	0	0	0.50
538	UNKNOWN FORBS	0	1	0	0	0.25
539	BROMUS TECTORUM	0	1	0	0	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
540	AGROPYRON CRISTATUM	0	0	0	2	0.5

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
541	SITANION HYSTRIX	0	0	1	0	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
542	SITANION HYSTRIX	5	0	0	0	1.25
543	POA SPECIES	1	0	0	0	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
544	BROMUS TECTORUM	0	0	0	9	2.25
545	BROMUS TECTORUM	0	0	0	9	2.25
546	AGROPYRON CRISTATUM	0	0	0	3	0.75
547	SITANION HYSTRIX	0	1	0	2	0.75

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
548	SITANION HYSTRIX	2	0	0	0	0.5

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
549	SITANION HYSTRIX	1	0	1	0	0.5

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
550	IPOMOPSIS AGGREGATA	1	4	0	0	1.25
551	BROMUS TECTORUM	13	0	0	0	3.25
552	SITANION HYSTRIX	1	1	0	0	0.50
553	UNKNOWN GRASSES	0	3	0	0	0.75
554	AGROPYRON CRISTATUM	0	0	0	2	0.50

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
555	BROMUS TECTORUM	1	15	3	0	4.75
556	SITANION HYSTRIX	0	4	3	6	3.25
557	AGROPYRON CRISTATUM	6	0	0	0	1.50
558	AGROPYRON CRISTATUM	0	0	0	1	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
559	AGROPYRON CRISTATUM	0	0	7	0	1.75

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
560	KOELERIA CRISTATA	3	0	0	0	0.75
561	SITANION HYSTRIX	0	7	0	0	1.75
562	BROMUS SPECIES	0	1	0	0	0.25
563	BROMUS TECTORUM	0	1	0	0	0.25
564	HORDEUM JUBATUM	0	0	2	0	0.50

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
565	SITANION HYSTRIX	1	0	0	0	0.25
566	AGROPYRON CRISTATUM	0	1	0	2	0.75

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
567	SITANION HYSTRIX	3	0	1	9	3.25
568	BROMUS TECTORUM	3	0	6	1	2.50
569	STIPA SPECIES	11	0	0	0	2.75
570	AGROPYRON CRISTATUM	1	0	2	0	0.75

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
571	CERATOIDES LANATA	3	1	3	1	2.0
572	CHRYSOTHAMNUS NAUSEOSUS	1	4	1	0	1.5

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
573	CERATOIDES LANATA	1	0	0	0	0.25
574	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	1	0.50
575	CHRYSOTHAMNUS VISIDIFLORUS	0	1	0	2	0.75
576	ARTEMISIA TRIDENTATA	0	0	0	1	0.25

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
577	CHRYSOTHAMNUS NAUSEOSUS	2	0	0	2	1.00
578	CERATOIDES LANATA	3	2	3	0	2.00
579	CHRYSOTHAMNUS VISIDIFLORUS	1	0	0	0	0.25

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
580	CERATOIDES LANATA	1	4	3	1	2.25
581	PURSHIA TRIDENTATA	1	0	0	0	0.25
582	CHRYSOTHAMNUS VISIDIFLORUS	0	0	2	1	0.75
583	CHRYSOTHAMNUS NAUSEOSUS	0	0	4	0	1.00

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
584	ARTEMISIA TRIDENTATA	0	0	2	0	0.50
585	CERATOIDES LANATA	0	2	1	2	1.25
586	CHRYSOTHAMNUS VISIDIFLORUS	0	0	1	0	0.25
587	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	1	0.25

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
588	CERATOIDES LANATA	3	1	0	0	1.00
589	ARTEMISIA TRIDENTATA	0	1	0	0	0.25
590	CHRYSOTHAMNUS VISIDIFLORUS	0	1	0	0	0.25
591	CHRYSOTHAMNUS NAUSEOSUS	0	1	3	0	1.00
592	PURSHIA TRIDENTATA	0	0	0	1	0.25

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
593	ARTEMISIA TRIDENTATA	3	0	0	0	0.75
594	CERATOIDES LANATA	1	0	5	1	1.75
595	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	3	1.00

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
596	CERATOIDES LANATA	1	2	0	0	0.75
597	CHRYSOTHAMNUS NAUSEOSUS	2	0	2	0	1.00

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
598	CERATOIDES LANATA	7	1	0	0	2.00
599	ARTEMISIA TRIDENTATA	1	0	0	0	0.25
600	CHRYSOTHAMNUS NAUSEOSUS	1	0	3	0	1.00
601	ATRIPLEX CANESCENS	0	0	1	0	0.25
602	CHRYSOTHAMNUS VISIDIFLORUS	0	0	2	0	0.50

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
603	ARTEMISIA TRIDENTATA	0	4	0	0	1.0
604	CERATOIDES LANATA	0	0	0	2	0.5

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
605	CERATOIDES LANATA	0	0	2	0	0.50
606	PURSHIA TRIDENTATA	0	0	1	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
607	CERATOIDES LANATA	3	0	0	0	0.75
608	ARTEMISIA TRIDENTATA	0	0	0	1	0.25

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
609	ARTEMISIA TRIDENTATA	0	1	0	0	0.25
610	CERATOIDES LANATA	0	0	1	0	0.25
611	PURSHIA TRIDENTATA	0	0	0	2	0.50

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
612	CERATOIDES LANATA	0	1	0	0	0.25
613	ARTEMISIA TRIDENTATA	0	0	4	1	1.25

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
614	ARTEMISIA TRIDENTATA	1	0	0	0	0.25
615	CERATOIDES LANATA	0	1	0	1	0.50

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
616	CERATOIDES LANATA	4	3	0	0	1.75
617	CHRYSOTHAMNUS VISIDIFLORUS	1	0	0	0	0.25
618	ARTEMISIA TRIDENTATA	0	0	0	7	1.75

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
619	GUTIERREZIA SAROTHRAE	0	4.	0	0	1

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
620	GUTIERREZIA SAROTHRAE	3	0	0	1	1

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
621	GUTIERREZIA SAROTHRAE	0	1	1	1	0.75

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
622	GUTIERREZIA SAROTHRAE	0	1	0	1	0.5

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
623	GUTIERREZIA SAROTHRAE	2	0	0	0	0.50
624	GUTIERREZIA SAROTHRAE	0	1	0	4	1.25

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
625	GUTIERREZIA SAROTHRAE	0	0	0	1	0.25

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
626	GUTIERREZIA SAROTHRAE	3	0	1	0	1

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
627	GUTIERREZIA SAROTHRAE	0	0	1	1	0.5

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
628	GUTIERREZIA SAROTHRAE	0	7	0	1	2

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
629	GUTIERREZIA SAROTHRAE	0	0	1	0	0.25

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
630	GUTIERREZIA SAROTHRAE	0	0	0	1	0.25

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
631	GUTIERREZIA SAROTHRAE	0	1	0	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
632	GUTIERREZIA SAROTHRAE	0	5	0	2	1.75

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
633	GUTIERREZIA SAROTHRAE	0	0	8	0	2

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
634	MELILOTUS OFFICINALIS	34	2	3	12	12.75
635	HEDYSARUM UTAHENSIS	1	0	0	0	0.25
636	LINUM LEWISII	5	0	2	0	1.75

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
637	MELILOTUS OFFICINALIS	1	1	1	11	3.50
638	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
639	LINUM LEWISII	1	4	3	7	3.75
640	PENSTEMON STRICTUS	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
641	LINUM LEWISII	2	3	1	0	1.50
642	PENSTEMON STRICTUS	3	0	0	0	0.75
643	MELILOTUS OFFICINALIS	0	1	2	4	1.75
644	ASTRAGALUS CICER	0	0	0	1	0.25
645	HEDYSARUM UTAHENSIS	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
646	MELILOTUS OFFICINALIS	2	4	5	1	3.00
647	LINUM LEWISII	1	5	2	0	2.00
648	ASTRAGALUS CICER	0	0	9	0	2.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
649	LINUM LEWISII	5	15	4	2	6.50
650	ASTRAGALUS CICER	2	0	7	0	2.25
651	MELILOTUS OFFICINALIS	1	0	2	0	0.75
652	HEDYSARUM UTAHENSIS	0	0	4	0	1.00

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
653	LINUM LEWISII	20	4	1	1	6.50
654	MELILOTUS OFFICINALIS	18	1	1	15	8.75
655	ASTRAGALUS CICER	0	12	0	0	3.00
656	SPHAERALCEA COCCINEA	0	1	0	0	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
657	LINUM LEWISII	3	0	12	0	3.75
658	HEDYSARUM UTAHENSIS	5	0	0	0	1.25
659	SPHAERALCEA COCCINEA	0	0	2	0	0.50
660	MELILOTUS OFFICINALIS	0	0	1	0	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
661	LINUM LEWISII	7	1	3	19	7.5
662	MELILOTUS OFFICINALIS	6	1	0	9	4.0

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
663	ASTRAGALUS CICER	0	4	0	6	2.5

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
664	LINUM LEWISII	4	5	1	8	4.50
665	ASTRAGALUS CICER	3	0	12	0	3.75
666	MELILOTUS OFFICINALIS	1	3	0	1	1.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
667	LINUM LEWISII	10	4	3	3	5
668	ASTRAGALUS CICER	0	1	4	7	3

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
669	LINUM LEWISII	4	4	7	2	4.25
670	MELILOTUS OFFICINALIS	8	1	0	1	2.50

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
671	LINUM LEWISII	0	1	0	1	0.5
672	ASTRAGALUS CICER	0	0	0	6	1.5

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
673	LINUM LEWISII	0	4	0	2	1.50
674	ASTRAGALUS CICER	0	0	2	0	0.50
675	ASTRAGALUS CICER	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
676	LINUM LEWISII	14	18	2	13	11.75
677	ASTRAGALUS CICER	8	0	0	5	3.25
678	MELILOTUS OFFICINALIS	1	1	1	1	1.00
679	HEDYSARUM UTAHENSIS	0	0	5	0	1.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
680	LINUM LEWISII	6	0	2	4	3.0
681	PENSTEMON STRICTUS	1	0	0	3	1.0
682	ASTRAGALUS CICER	0	0	0	2	0.5

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
683	LINUM LEWISII	0	8	2	10	5.00
684	ASTRAGALUS CICER	0	5	.	0	1.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
685	UNKNOWN FORBS	1	1	1	2	1.25
686	CRYPTANTHA SERICEA	6	0	0	2	2.00
687	PHLOX HOODII	0	1	0	0	0.25
688	IPOMOPSIS AGGREGATA	0	0	1	0	0.25
689	ASTRAGALUS DIVERSIFOLIUS	0	0	1	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
690	CHAENACTIS DOUGLASII	0	0	1	0	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
691	UNKNOWN FORBS	10	1	2	1	3.50
692	HAPLOPPAPPUS NUTTALLII	1	0	0	0	0.25
693	CRYPTANTHA SERICEA	0	0	3	0	0.75
694	COMANDRA UMBELLATA	0	0	5	0	1.25
695	ARENARIA FENDLERI	0	0	1	0	0.25
696	PHLOX HOODII	0	0	1	0	0.25
697	SPHAERALCEA COCCINEA	0	0	1	0	0.25
698	ASTRAGALUS PURSHII	0	0	0	1	0.25
699	CHAENACTIS DOUGLASII	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
700	ARENARIA FENDLERI	1	0	0	0	0.25
701	CHAENACTIS DOUGLASII	2	0	1	0	0.75
702	IPOMOPSIS AGGREGATA	1	0	1	0	0.50
703	PHYSARIA FLORIBUNDA	1	1	0	1	0.75
704	UNKNOWN FORBS	1	1	0	1	0.75
705	SENECIO MULTILOBATUS	0	1	0	0	0.25
706	ASTRAGALUS PURSHII	0	0	1	1	0.50
707	HAPLOPPAPPUS NUTTALLII	0	0	0	5	1.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
708	UNKNOWN FORBS	2	1	1	1	1.25
709	SALSOLA KALI	1	0	0	0	0.25
710	CHAENACTIS DOUGLASII	1	0	0	0	0.25
711	SENECIO MULTILOBATUS	0	0	0	1	0.25

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
712	IPOMOPSIS AGGREGATA	1	0	0	0	0.25
713	ASTRAGALUS PURSHII	1	0	2	0	0.75
714	CRYPTANTHA SERICEA	1	0	0	0	0.25
715	UNKNOWN FORBS	0	1	0	1	0.50
716	IPOMOPSIS AGGREGATA	0	0	1	1	0.50
717	HAPLOPPAPPUS NUTTALLII	0	0	2	1	0.75
718	SENECIO MULTILOBATUS	0	0	1	2	0.75

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
719	IPOMOPSIS AGGREGATA	3	0	0	0	0.75
720	COMANDRA UMBELLATA	3	3	0	0	1.50
721	CHAENACTIS DOUGLASII	1	1	1	2	1.25
722	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
723	UNKNOWN FORBS	1	0	0	1	0.50
724	HAPLOPPAPPUS NUTTALLII	1	0	0	2	0.75
725	TOWINC	0	1	0	0	0.25
726	SENECIO MULTILOBATUS	0	0	1	1	0.50
727	ASTRAGALUS PURSHII	0	0	1	.	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
728	SENECIO MULTILOBATUS	1	0	1	0	0.50
729	CHAENACTIS DOUGLASII	1	1	1	1	1.00
730	CRYPTANTHA SERICEA	1	0	0	0	0.25
731	UNKNOWN FORBS	1	2	2	1	1.50
732	ASTRAGALUS DIVERSIFOLIUS	0	1	0	0	0.25
733	PHLOX HOODII	0	1	1	0	0.50
734	IPOMOPSIS AGGREGATA	0	0	1	1	0.50
735	ASTRAGALUS PURSHII	0	0	1	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
736	UNKNOWN FORBS	4	1	0	1	1.50
737	CHAENACTIS DOUGLASII	1	4	2	2	2.25
738	PHYSARIA FLORIBUNDA	0	1	0	0	0.25
739	SENECIO MULTILOBATUS	0	1	0	0	0.25
740	IPOMOPSIS AGGREGATA	0	2	4	1	1.75
741	CRYPTANTHA SERICEA	0	0	1	1	0.50
742	GUTIERREZIA SAROTHRAE	0	0	11	0	2.75
743	HAPLOPPAPPUS NUTTALLII	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
744	ASTRAGALUS PURSHII	2	2	15	0	4.75
745	GUTIERREZIA SAROTHRAE	1	1	0	0	0.50
746	SENECIO MULTILOBATUS	1	1	1	2	1.25
747	UNKNOWN FORBS	1	0	4	2	1.75
748	CHAENACTIS DOUGLASII	0	1	1	3	1.25
749	CRYPTANTHA SERICEA	0	1	1	0	0.50
750	PHYSARIA FLORIBUNDA	0	1	0	0	0.25
751	HEDYSARUN BOREALE	0	0	6	0	1.50
752	IPOMOPSIS AGGREGATA	0	0	0	4	1.00
753	ASTRAGALUS DIVERSIFOLIUS	0	0	0	2	0.50

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
754	HAPLOPPAPPUS NUTTALLII	5	0	0	0	1.25
755	UNKNOWN FORBS	1	1	1	1	1.00
756	CHAENACTIS DOUGLASII	1	0	0	1	0.50
757	SENECIO MULTILOBATUS	0	0	0	1	0.25
758	SALSOLA KALI	0	0	0	1	0.25
759	PHYSARIA FLORIBUNDA	0	0	0	1	0.25
760	IPOMOPSIS AGGREGATA	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
761	CHAENACTIS DOUGLASII	13	5	14	1	8.25
762	PENSTEMON SPECIES	1	1	2	4	2.00
763	SALSOLA KALI	2	4	0	0	1.50
764	UNKNOWN FORBS	2	0	1	3	1.50

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
765	HAPLOPPAPPUS NUTTALLII	11	0	0	1	3.00
766	UNKNOWN FORBS	1	2	1	2	1.50
767	SENECIO MULTILOBATUS	1	1	0	0	0.50
768	ARENARIA FENDLERI	0	1	0	0	0.25
769	ASTRAGALUS PURSHII	0	0	0	1	0.25
770	CHAENACTIS DOUGLASII	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
771	UNKNOWN FORBS	2	0	0	0	0.50
772	MELILOTUS OFFICINALIS	1	1	0	0	0.50
773	ASTRAGALUS PURSHII	0	0	1	0	0.25
774	IPOMOPSIS AGGREGATA	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
775	HAPLOPPAPPUS NUTTALLII	2	0	0	0	0.50
776	LUPINUS SPECIES	4	0	0	0	1.00
777	CHAENACTIS DOUGLASII	1	9	3	2	3.75
778	UNKNOWN FORBS	1	1	0	1	0.75
779	COMANDRA UMBELLATA	0	3	0	0	0.75
780	IPOMOPSIS AGGREGATA	0	1	1	0	0.50
781	PHYSARIA FLORIBUNDA	0	0	1	0	0.25
782	SENECIO MULTILOBATUS	0	0	1	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
783	CHAENACTIS DOUGLASII	1	0	1	0	0.50
784	UNKNOWN FORBS	2	0	0	0	0.50
785	PHYSARIA FLORIBUNDA	1	0	0	1	0.50
786	SENECIO MULTILOBATUS	0	1	0	0	0.25
787	ASTRAGALUS PURSHII	0	0	1	0	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
788	IPOMOPSIS AGGREGATA	1	0	0	0	0.25
789	CRYPTANTHA SERICEA	1	0	0	0	0.25
790	CHAENACTIS DOUGLASII	0	1	0	1	0.50
791	HAPLOPPAPPUS NUTTALLII	0	0	12	0	3.00
792	CHAENACTIS DOUGLASII	0	0	1	1	0.50
793	SENECIO MULTILOBATUS	0	0	1	0	0.25
794	CRYPTANTHA SERICEA	0	0	0	1	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
795	AGROPYRON TRICHOPHORUM	3	0	1	1	1.25
796	AGROPYRON SPECIES	6	31	22	22	20.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
797	AGROPYRON SPECIES	25	30	12	20	21.75
798	AGROPYRON TRICHOPHORUM	3	3	3	2	2.75
799	STIPA VIRIDULA	5	1	0	0	1.50
800	SITANION HYSTRIX	1	0	0	0	0.25
801	ORYZOPSIS HYMENOIDES	0	2	0	2	1.00

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
802	AGROPYRON SPECIES	20	20	35	20	23.75
803	AGROPYRON TRICHOPHORUM	3	4	2	8	4.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
804	AGROPYRON TRICHOPHORUM	9	0	8	10	6.75
805	AGROPYRON SPECIES	7	18	16	30	17.75
806	STIPA VIRIDULA	4	4	3	0	2.75
807	ORYZOPSIS HYMENOIDES	0	1	0	0	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
808	AGROPYRON TRICHOPHORUM	10	2	12	13	9.25
809	STIPA VIRIDULA	3	4	1	2	2.50
810	ORYZOPSIS HYMENOIDES	1	3	0	2	1.50

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
811	AGROPYRON SPECIES	5	25	27	7	16.00
812	AGROPYRON TRICHOPHORUM	2	0	8	1	2.75
813	STIPA VIRIDULA	1	0	0	1	0.50
814	ELYMUS CINEREUS	0	0	0	10	2.50

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
815	STIPA VIRIDULA	6	0	0	6	3.00
816	AGROPYRON TRICHOPHORUM	1	6	0	7	3.50
817	AGROPYRON SPECIES	14	17	17	22	17.50
818	ELYMUS CINEREUS	0	2	0	0	0.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
819	ORYZOPSIS HYMENOIDES	0	0	1	0	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
820	AGROPYRON TRICHOPHORUM	2	3	3	1	2.25
821	AGROPYRON SPECIES	4	20	8	6	9.50
822	STIPA VIRIDULA	1	2	0	0	0.75
823	ORYZOPSIS HYMENOIDES	1	1	0	1	0.75
824	ELYMUS CINEREUS	0	0	1	0	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
825	STIPA VIRIDULA	4	3	0	0	1.75
826	AGROPYRON SPECIES	22	22	18	5	16.75
827	AGROPYRON TRICHOPHORUM	3	2	0	0	1.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
828	AGROPYRON TRICHOPHORUM	20	6	1	0	6.75
829	AGROPYRON SPECIES	2	40	25	15	20.50
830	STIPA VIRIDULA	1	0	0	3	1.00
831	ORYZOPSIS HYMENOIDES	0	0	0	1	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
832	ORYZOPSIS HYMENOIDES	2	1	0	0	0.75
833	AGROPYRON SPECIES	3	2	12	9	6.50
834	STIPA VIRIDULA	0	4	1	1	1.50
835	AGROPYRON TRICHOPHORUM	0	0	1	1	0.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
836	ORYZOPSIS HYMENOIDES	1	0	0	0	0.25
837	AGROPYRON SPECIES	15	6	2	12	8.75
838	STIPA VIRIDULA	2	2	11	1	4.00
839	AGROPYRON TRICHOPHORUM	3	2	2	16	5.75

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
840	AGROPYRON SPECIES	25	12	20	0	14.25
841	STIPA VIRIDULA	2	0	3	0	1.25
842	AGROPYRON TRICHOPHORUM	2	15	12	0	7.25
843	AGROPYRON SPECIES	0	0	0	15	3.75
844	AGROPYRON TRICHOPHORUM	0	0	0	12	3.00

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
845	AGROPYRON SPECIES	2	1	4	15	5.50
846	AGROPYRON TRICHOPHORUM	4	0	5	3	3.00
847	STIPA VIRIDULA	2	1	2	0	1.25
848	ELYMUS CINEREUS	0	7	0	0	1.75
849	ORYZOPSIS HYMENOIDES	0	0	0	1	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
850	AGROPYRON SPECIES	23	35	15	30	25.75
851	STIPA VIRIDULA	2	2	0	5	2.25
852	ORYZOPSIS HYMENOIDES	2	0	0	6	2.00
853	AGROPYRON TRICHOPHORUM	0	3	0	3	1.50

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BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
854	AGROPYRON TRICHOPHORUM	3	7	0	0	2.50
855	AGROPYRON SPECIES	30	12	0	0	10.50
856	STIPA VIRIDULA	2	4	0	0	1.50
857	AGROPYRON SPECIES	0	0	18	12	7.50
858	ORYZOPSIS HYMENOIDES	0	0	8	2	2.50
859	STIPA VIRIDULA	0	0	0	6	1.50
860	AGROPYRON TRICHOPHORUM	0	0	0	3	0.75

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
861	BROMUS TECTORUM	0	0	1	0	0.25
862	SITANION HYSTRIX	0	0	1	0	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
863	AGROPYRON CRISTATUM	0	1	0	0	0.25
864	BROMUS TECTORUM	0	0	3	0	0.75

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
865	AGROPYRON CRISTATUM	0	7	0	0	1.75
866	SITANION HYSTRIX	0	0	4	0	1.00

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
867	BROMUS TECTORUM	20	8	0	0	7
868	AGROPYRON CRISTATUM	0	0	4	0	1

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
869	AGROPYRON SPECIES	25	12	15	13	16.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
870	BROMUS TECTORUM	0	0	0	1	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
871	BROMUS TECTORUM	6	0	0	0	1.50
872	KOELERIA CRISTATA	1	0	0	0	0.25
873	POA SPECIES	1	0	0	0	0.25
874	SITANION HYSTRIX	0	1	1	0	0.50

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
875	BROMUS TECTORUM	19	1	0	1	5.25
876	SITANION HYSTRIX	1	2	0	1	1.00
877	KOELERIA CRISTATA	0	0	0	1	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
878	SITANION HYSTRIX	0	0	0	2	0.5

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
879	SITANION HYSTRIX	0	2	0	0	0.50
880	IPOMOPSIS AGGREGATA	0	0	3	0	0.75
881	BROMUS TECTORUM	0	0	1	0	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
882	KOELERIA CRISTATA	1	0	0	0	0.25
883	BROMUS TECTORUM	3	2	23	0	7.00
884	AGROPYRON CRISTATUM	1	1	0	0	0.50
885	SITANION HYSTRIX	0	0	6	0	1.50

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
886	SITANION HYSTRIX	2	0	0	0	0.50
887	AGROPYRON CRISTATUM	0	0	1	0	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
888	BROMUS TECTORUM	0	4	0	0	1

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
889	CHRYSOTHAMNUS NAUSEOSUS	1	6	0	0	1.75
890	CERATOIDES LANATA	0	2	1	0	0.75

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
891	CHRYSOTHAMNUS VISIDIFLORUS	0	1	2	0	0.75
892	CERATOIDES LANATA	0	0	0	8	2.00

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
893	ARTEMISIA TRIDENTATA	2	4	0	0	1.50
894	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	0	0.25
895	CERATOIDES LANATA	1	1	0	1	0.75
896	PURSHIA TRIDENTATA	0	0	2	0	0.50

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
897	CHRYSOTHAMNUS NAUSEOSUS	10	1	5	0	4.00
898	CERATOIDES LANATA	1	5	0	2	2.00
899	ARTEMISIA TRIDENTATA	0	1	0	0	0.25
900	ATRIPLEX CANESCENS	0	0	0	1	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
901	CERATOIDES LANATA	1	2	0	3	1.50
902	ARTEMISIA TRIDENTATA	1	0	0	0	0.25
903	PURSHIA TRIDENTATA	0	0	1	1	0.50

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
904	CERATOIDES LANATA	1	0	3	0	1.00
905	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	0	0.25
906	CHRYSOTHAMNUS NAUSEOSUS	0	4	6	1	2.75
907	PURSHIA TRIDENTATA	0	0	2	3	1.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
908	ARTEMISIA TRIDENTATA	0	0	0	2	0.5

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
909	PURSHIA TRIDENTATA	5	5	0	0	2.50
910	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	0	0.25
911	CHRYSOTHAMNUS VISIDIFLORUS	1	0	0	0	0.25
912	CHRYSOTHAMNUS NAUSEOSUS	0	1	5	0	1.50
913	CERATOIDES LANATA	0	0	0	4	1.00

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
914	CHRYSOTHAMNUS VISIDIFLORUS	1	0	3	0	1.00
915	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	7	2.00
916	CERATOIDES LANATA	1	0	0	0	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
917	CERATOIDES LANATA	1	2	1	3	1.75
918	PURSHIA TRIDENTATA	1	0	0	0	0.25
919	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	4	1.25
920	CHRYSOTHAMNUS VISIDIFLORUS	0	5	0	0	1.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
921	CHRYSOTHAMNUS NAUSEOSUS	0	0	10	0	2.5
922	CERATOIDES LANATA	0	0	2	0	0.5

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
923	CERATOIDES LANATA	2	0	0	2	1.00
924	ARTEMISIA TRIDENTATA	1	0	0	0	0.25
925	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	2	0.50

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
926	CHRYSOTHAMNUS NAUSEOSUS	0	2	0	0	0.50
927	ARTEMISIA TRIDENTATA	0	1	0	3	1.00
928	CHRYSOTHAMNUS VISIDIFLORUS	0	1	0	0	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
929	CERATOIDES LANATA	2	0	1	0	0.75
930	ARTEMISIA TRIDENTATA	0	2	0	0	0.50
931	CERATOIDES LANATA	0	0	0	1	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
932	CHRYSOTHAMNUS NAUSEOSUS	0	0	8	0	2

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
933	CHRYSOTHAMNUS NAUSEOSUS	8	0	7	1	4.00
934	CERATOIDES LANATA	3	0	0	0	0.75
935	ATRIPLEX CANESCENS	0	0	1	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
936	CHRYSOTHAMNUS NAUSEOSUS	0	3	1	0	1.00
937	ARTEMISIA TRIDENTATA	0	0	3	0	0.75
938	CERATOIDES LANATA	0	0	1	0	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
939	GUTIERREZIA SAROTHRAE	0	0	0	1	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
940	GUTIERREZIA SAROTHRAE	1	1	1	0	0.75

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
941	GUTIERREZIA SAROTHRAE	0	3	2	0	1.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
942	GUTIERREZIA SAROTHRAE	0	0	1	0	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
943	GUTIERREZIA SAROTHRAE	0	0	2	0	0.5

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
944	GUTIERREZIA SAROTHRAE	0	0.	0	1	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
945	GUTIERREZIA SAROTHRAE	0	0	1	1	0.5

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
946	GUTIERREZIA SAROTHRAE	2	0	0	1	0.75

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
947	GUTIERREZIA SAROTHRAE	0	0	1	1	0.5

Biomass data (g) for species occurring within treatment combinations on Experimental Revegetation Plot R-1.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
1	LINUM LEWISII	0.1	9.3	8.6	1.0	4.750
2	ASTRAGALUS CICER	0.0	2.7	0.3	0.0	0.750
3	MELILOTUS OFFICINALIS	0.0	1.7	20.5	10.2	8.100
4	HEDYSARUM UTAHENSIS	0.0	5.5	3.6	0.0	2.275

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
5	MELILOTUS OFFICINALIS	21.7	0.7	17.9	0.8	10.275
6	SPHAERALCEA COCCINEA	0.2	0.0	0.2	0.0	0.100
7	LINUM LEWISII	0.0	7.6	5.5	6.9	5.000
8	PENSTEMON STRICTUS	0.0	0.1	0.0	0.0	0.025

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
9	HEDYSARUM UTAHENSIS	4.9	0	0.0	0.0	1.225
10	ASTRAGALUS CICER	46.1	0	0.0	30.9	19.250
11	LINUM LEWISII	1.0	1	2.1	0.2	1.075
12	MELILOTUS OFFICINALIS	0.0	0	12.6	0.7	3.325

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
13	SPHAERALCEA COCCINEA	1.0	0.0	0.0	0.0	.0.25
14	MELILOTUS OFFICINALIS	1.6	4.2	4.0	2.8	3.15
15	LINUM LEWISII	2.5	4.4	7.1	5.4	4.85

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
16	MELILOTUS OFFICINALIS	8.5	0.4	0.9	0.0	2.450
17	LINUM LEWISII	6.5	7.0	35.5	8.3	14.325
18	ASTRAGALUS CICER	14.8	0.0	7.9	26.7	12.350
19	UNKNOWN FORBS	0.4	0.0	4.7	1.2	1.575

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
20	LINUM LEWISII	24.5	2.4	6.8	5.1	9.700
21	MELILOTUS OFFICINALIS	14.8	7.2	0.1	0.3	5.600
22	ASTRAGALUS CICER	0.0	0.0	0.0	3.5	0.875
23	PENSTEMON STRICTUS	0.0	0.0	0.0	0.1	0.025
24	HEDYSARUM UTAHENSIS	0.0	0.0	0.0	0.1	0.025

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
25	ASTRAGALUS CICER	1.8	0.0	0.0	0.0	0.450
26	LINUM LEWISII	10.2	5.3	3.1	0.7	4.825
27	MELILOTUS OFFICINALIS	2.1	4.1	2.4	0.4	2.250
28	PENSTEMON STRICTUS	0.0	1.1	0.0	0.0	0.275
29	SPHAERALCEA COCCINEA	0.0	0.0	0.0	2.1	0.525

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
30	MELILOTUS OFFICINALIS	82.0	13.0	0.1	0.4	23.875
31	PENSTEMON STRICTUS	0.2	0.0	0.3	0.0	0.125
32	LINUM LEWISII	0.5	0.8	2.0	1.1	1.100

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
33	LINUM LEWISII	0.1	0	4.9	12.4	4.350
34	PENSTEMON STRICTUS	0.2	0	0.0	1.3	0.375
35	ASTRAGALUS CICER	0.0	0	15.8	74.4	22.550
36	MELILOTUS OFFICINALIS	0.0	0	0.2	0.4	0.150
37	HEDYSARUM UTAHENSIS	0.0	0	0.0	3.4	0.850

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
38	ASTRAGALUS CICER	2.2	0.0	0.0	0.0	0.550
39	LINUM LEWISII	10.0	29.3	2.9	1.6	10.950
40	PENSTEMON STRICTUS	0.0	1.7	0.2	0.0	0.475

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
41	MELILOTUS OFFICINALIS	3.0	0.2	0.0	9.7	3.225
42	LINUM LEWISII	0.7	0.6	8.0	19.7	7.250
43	PENSTEMON STRICTUS	0.2	0.1	0.0	0.0	0.075
44	HEDYSARUM UTAHENSIS	0.0	3.2	0.0	0.0	0.800
45	ASTRAGALUS CICER	0.0	0.0	0.5	7.8	2.075

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
46	LINUM LEWISII	4.8	21.1	7.8	7.8	10.375
47	MELILOTUS OFFICINALIS	0.0	0.3	0.0	0.0	0.075
48	ASTRAGALUS CICER	0.0	0.0	0.5	0.0	0.125

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
49	MELILOTUS OFFICINALIS	0.8	0.4	0.1	0.0	0.325

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
50	LINUM LEWISII	0	2.3	0.4	1.7	1.1

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
51	ASTRAGALUS CICER	27.1	0.0	2.7	0.8	7.650
52	LINUM LEWISII	5.4	4.2	56.1	18.0	20.925
53	MELILOTUS OFFICINALIS	0.0	0.7	0.2	0.4	0.325

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
54	LINUM LEWISII	5.2	0.3	0	0.2	1.425

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
55	HEDYSARUM UTAHENSIS	3.9	0.0	0.0	0.3	1.050
56	LINUM LEWISII	3.6	19.5	24.2	2.4	12.425
57	MELILOTUS OFFICINALIS	0.0	0.0	0.9	6.6	1.875
58	PENSTEMON STRICTUS	0.0	0.0	0.4	0.0	0.100
59	ASTRAGALUS CICER	0.0	0.0	0.0	12.4	3.100
60	SPHAERALCEA COCCINEA	0.0	0.0	0.0	0.3	0.075

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
61	IPOMOPSIS AGGREGATA	0.6	0.3	0.2	0.0	0.275
62	CHAENACTIS DOUGLASII	0.0	0.2	0.0	1.1	0.325
63	PHYSARIA FLORIBUNDA	0.0	0.0	0.0	0.2	0.050
64	UNKNOWN FORBS	0.0	0.0	0.0	0.2	0.050

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
65	SISYMBRIUM LINIFOLIUM	1.7	0.2	0.0	0.0	0.475
66	UNKNOWN FORBS	0.6	1.0	0.1	0.0	0.425
67	CRYPTANTHA SERICEA	0.0	0.7	0.1	0.0	0.200
68	CHAENACTIS DOUGLASII	0.0	0.1	0.0	0.0	0.025
69	SENECIO MULTILOBATUS	0.0	0.5	0.1	0.6	0.300
70	IPOMOPSIS AGGREGATA	0.0	0.0	1.2	0.5	0.425
71	ASTRAGALUS PURSHII	0.0	0.0	0.3	0.0	0.075
72	HAPLOPPAPPUS NUTTALLII	0.0	0.0	0.0	0.5	0.125
73	PHYSARIA FLORIBUNDA	0.0	0.0	0.0	0.4	0.100

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
74	PHYSARIA FLORIBUNDA	0.2	0	0.0	0.0	0.050
75	UNKNOWN FORBS	0.0	0	0.6	0.0	0.150
76	SENECIO MULTILOBATUS	0.0	0	0.0	0.4	0.100
77	PHLOX HOODII	0.0	0	0.0	0.5	0.125

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
78	HAPLOPPAPPUS NUTTALLII	1.6	3.9	0.0	0.0	1.375
79	IPOMOPSIS AGGREGATA	0.4	0.0	1.0	0.1	0.375
80	UNKNOWN FORBS	0.2	0.0	0.2	0.0	0.100
81	SENECIO MULTILOBATUS	0.1	0.0	0.0	0.2	0.075
82	PENSTEMON STRICTUS	0.0	1.1	0.0	4.8	1.475
83	PHYSARIA FLORIBUNDA	0.0	0.6	0.0	0.4	0.250
84	CHAENACTIS DOUGLASII	0.0	0.1	0.2	1.3	0.400

RIO BLANCO OIL SHALE COMPANY
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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
85	CHAENACTIS DOUGLASII	1.0	0.4	0.8	0.4	0.650
86	ASTRAGALUS PURSHII	0.6	0.0	0.0	0.4	0.250
87	IPOMOPSIS AGGREGATA	0.0	0.8	0.5	0.0	0.325
88	PHYSARIA FLORIBUNDA	0.0	0.0	0.6	0.7	0.325
89	SENECIO MULTILOBATUS	0.0	0.0	0.8	0.0	0.200
90	HAPLOPPAPPUS NUTTALLII	0.0	0.0	0.3	0.8	0.275
91	ASTRAGALUS DIVERSIFOLIUS	0.0	0.0	0.0	0.6	0.150

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
92	IPOMOPSIS AGGREGATA	5.8	0.0	0.5	0.0	1.575
93	CHAENACTIS DOUGLASII	0.2	0.0	0.0	0.5	0.175
94	UNKNOWN FORBS	0.1	0.0	0.1	0.0	0.050
95	SENECIO MULTILOBATUS	0.0	0.7	0.0	0.0	0.175
96	CRYPTANTHA SERICEA	0.0	0.8	0.1	0.0	0.225
97	PHYSARIA FLORIBUNDA	0.0	0.0	0.2	0.0	0.050

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
98	UNKNOWN FORBS	0.6	10.4	0.5	0.6	3.025
99	CHAENACTIS DOUGLASII	0.0	0.2	0.0	0.0	0.050
100	SISYMBRIUM LINIFOLIUM	0.0	0.0	8.6	0.0	2.150
101	SENECIO MULTILOBATUS	0.0	0.0	0.0	1.0	0.250
102	IPOMOPSIS AGGREGATA	0.0	0.0	0.0	0.5	0.125

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
103	TARAXACUM OFFICINALE	0.3	0.0	0.0	0.0	0.075
104	CRYPTANTHA SERICEA	9.3	0.0	0.0	0.0	2.325
105	SENECIO MULTILOBATUS	0.1	0.5	0.0	0.3	0.225
106	UNKNOWN FORBS	0.2	0.2	0.2	0.3	0.225
107	IPOMOPSIS AGGREGATA	0.0	0.7	0.7	1.1	0.625
108	ASTRAGALUS PURSHII	0.0	0.9	0.0	0.3	0.300
109	CHAENACTIS DOUGLASII	0.0	0.7	0.3	0.8	0.450
110	PHYSARIA FLORIBUNDA	0.0	0.2	2.1	0.0	0.575
111	ASTRAGALUS PURSHII	0.0	0.0	0.0	0.0	0.000
112	PHLOX HOODII	0.0	0.0	0.0	0.1	0.025

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
113	CHAENACTIS DOUGLASII	1	0	0.8	0.0	0.450
114	SENECIO MULTILOBATUS	0	0	1.9	0.0	0.475
115	CRYPTANTHA SERICEA	0	0	1.9	0.0	0.475
116	PHYSARIA FLORIBUNDA	0	0	0.0	0.4	0.100
117	UNKNOWN FORBS	0	0	0.0	0.7	0.175

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
118	CHAENACTIS DOUGLASII	0.1	0.0	0.5	0.4	0.250
119	IPOMOPSIS AGGREGATA	2.1	0.9	1.5	3.5	2.000
120	TARAXACUM OFFICINALE	0.1	0.0	0.0	0.0	0.025
121	SENECIO MULTILOBATUS	0.0	0.4	0.0	0.5	0.225
122	UNKNOWN FORBS	0.0	0.2	0.0	0.1	0.075
123	ASTRAGALUS DIVERSIFOLIUS	0.0	0.3	0.0	0.0	0.075
124	ASTRAGALUS PURSHII	0.0	0.0	0.2	0.0	0.050
125	CRYPTANTHA SERICEA	0.0	0.0	0.1	0.0	0.025
126	HAPLOPPAPPUS NUTTALLII	0.0	0.0	0.0	2.7	0.675
127	HEDYSARUM UTAHENSIS	0.0	0.0	0.0	9.1	2.275

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
128	CHAENACTIS DOUGLASII	3.1	0.1	0.5	1.3	1.250
129	HAPLOPPAPPUS NUTTALLII	7.9	0.4	6.7	0.0	3.750
130	UNKNOWN FORBS	0.5	0.9	8.0	0.8	2.550
131	IPOMOPSIS AGGREGATA	0.0	0.3	0.2	0.0	0.125
132	COMANDRA UMBELLATA	0.0	0.0	3.1	0.0	0.775
133	PHYSARIA FLORIBUNDA	0.0	0.0	0.4	0.0	0.100
134	CRYPTANTHA SERICEA	0.0	0.0	0.0	15.5	3.875
135	SENECIO MULTILOBATUS	0.0	0.0	0.0	0.2	0.050
136	LUPINUS SPECIES	0.0	0.0	0.0	0.6	0.150

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
137	UNKNOWN FORBS	1.0	0.0	0.1	0.1	0.300
138	CHAENACTIS DOUGLASII	0.3	0.0	0.0	0.8	0.275
139	IPOMOPSIS AGGREGATA	0.0	0.6	0.0	0.0	0.150
140	HAPLOPPAPPUS NUTTALLII	0.0	4.3	0.0	1.7	1.500
141	SENECIO MULTILOBATUS	0.0	0.0	0.0	0.2	0.050

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUPPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
142	CHAENACTIS DOUGLASII	0.9	0.8	0.4	0.0	0.525
143	IPOMOPSIS AGGREGATA	2.2	2.0	0.0	0.0	1.050
144	UNKNOWN FORBS	0.2	0.0	0.0	0.0	0.050
145	PHYSARIA FLORIBUNDA	0.0	0.0	0.2	0.0	0.050
146	HAPLOPPAPPUS NUTTALLII	0.0	0.0	0.0	0.7	0.175
147	PHLOX HOODII	0.0	0.0	0.0	0.5	0.125

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
148	IPOMOPSIS AGGREGATA	2.1	4.9	0.0	2.2	2.300
149	TARAXACUM OFFICINALE	0.4	0.0	0.0	0.0	0.100
150	PHYSARIA FLORIBUNDA	1.1	0.0	0.2	0.4	0.425
151	UNKNOWN FORBS	5.0	2.5	2.5	0.2	2.550
152	HAPLOPPAPPUS NUTTALLII	0.0	3.2	0.0	0.0	0.800
153	SENECIO MULTILOBATUS	0.0	1.0	0.0	0.0	0.250
154	CHAENACTIS DOUGLASII	0.0	0.8	0.0	0.0	0.200

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
155	CHAENACTIS DOUGLASII	1.0	0.0	0	1.2	0.550
156	TARAXACUM OFFICINALE	0.1	0.0	0	0.0	0.025
157	IPOMOPSIS AGGREGATA	0.0	0.7	4	0.0	1.175
158	SENECIO MULTILOBATUS	0.0	0.0	0	0.8	0.200
159	UNKNOWN FORBS	0.0	0.2	0	0.3	0.125
160	PHYSARIA FLORIBUNDA	0.0	0.0	0	1.0	0.250

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
161	UNKNOWN FORBS	1.1	0.2	0.8	2.1	1.050
162	CHAENACTIS DOUGLASII	0.3	0.5	0.0	0.0	0.200
163	HAPLOPPAPPUS NUTTALLII	0.0	5.2	0.0	0.0	1.300
164	IPOMOPSIS AGGREGATA	0.0	0.0	0.8	0.0	0.200
165	PHYSARIA FLORIBUNDA	0.0	0.0	0.0	1.5	0.375

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
166	STIPA VIRIDULA	2.4	3.5	2.5	3.0	2.85
167	AGROPYRON SPECIES	70.6	47.4	45.2	63.2	56.60
168	AGROPYRON TRICHOPHORUM	0.0	2.4	3.6	6.6	3.15

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
169	STIPA VIRIDULA	3.9	16.2	0.0	2.6	5.675
170	AGROPYRON SPECIES	55.1	41.6	20.6	34.5	37.950
171	ORYZOPSIS HYMENOIDES	1.9	0.0	0.0	0.8	0.675
172	AGROPYRON TRICHOPHORUM	0.0	16.7	0.0	1.0	4.425

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
173	STIPA VIRIDULA	0.5	3.5	3.3	0.0	1.825
174	AGROPYRON SPECIES	60.8	71.6	72.6	64.1	67.275
175	ELYMUS CINEREUS	0.0	2.1	0.0	1.4	0.875
176	ORYZOPSIS HYMENOIDES	0.0	0.9	1.2	0.0	0.525
177	AGROPYRON TRICHOPHORUM	0.0	15.0	0.0	12.9	6.975

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
178	AGROPYRON SPECIES	57.7	34.6	36.9	9.5	34.675
179	ORYZOPSIS HYMENOIDES	0.0	0.9	0.0	0.0	0.225
180	AGROPYRON TRICHOPHORUM	0.0	1.6	11.9	0.0	3.375
181	STIPA VIRIDULA	0.0	0.0	2.5	0.9	0.850

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
182	AGROPYRON SPECIES	44.6	66.8	32.2	43.9	46.875
183	STIPA VIRIDULA	1.1	4.3	0.8	2.9	2.275
184	AGROPYRON TRICHOPHORUM	0.0	4.3	3.7	0.0	2.000
185	ORYZOPSIS HYMENOIDES	0.0	0.0	0.6	0.8	0.350

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
186	STIPA VIRIDULA	2.2	10.5	0.0	2.7	3.850
187	AGROPYRON TRICHOPHORUM	12.3	9.7	14.6	8.6	11.300
188	AGROPYRON SPECIES	38.5	44.7	33.9	58.6	43.925

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
189	STIPA VIRIDULA	23.2	0.0	1.3	8.5	8.25
190	AGROPYRON TRICHOPHORUM	35.8	0.0	0.0	8.4	11.05
191	AGROPYRON SPECIES	15.0	5.5	48.8	39.1	27.10
192	ORYZOPSIS HYMENOIDES	0.0	12.6	0.0	0.0	3.15

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
193	AGROPYRON TRICHOPHORUM	3.7	0.0	0.0	0.0	0.925
194	AGROPYRON SPECIES	17.4	23.3	16.5	52.3	27.375
195	STIPA VIRIDULA	0.0	4.6	0.0	1.1	1.425

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
196	ORYZOPSIS HYMENOIDES	1.2	0.0	0.0	0.0	0.300
197	AGROPYRON SPECIES	60.2	41.8	13.7	66.4	45.525
198	STIPA VIRIDULA	5.8	17.5	3.6	0.5	6.850
199	AGROPYRON TRICHOPHORUM	29.2	28.1	0.0	7.0	16.075

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
200	AGROPYRON SPECIES	33	5.4	17.0	1.9	14.325
201	ORYZOPSIS HYMENOIDES	0	0.0	21.1	8.1	7.300
202	STIPA VIRIDULA	0	0.0	0.0	1.1	0.275

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
203	AGROPYRON SPECIES	1.1	51.1	6.2	49.3	26.925
204	AGROPYRON TRICHOPHORUM	0.0	23.7	0.0	0.0	5.925

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
205	AGROPYRON TRICHOPHORUM	3.1	0.0	0.0	0.0	0.775
206	STIPA VIRIDULA	1.4	4.8	4.6	0.0	2.700
207	AGROPYRON SPECIES	57.1	35.7	92.0	51.8	59.150
208	ORYZOPSIS HYMENOIDES	0.0	0.4	0.0	0.0	0.100

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
209	STIPA VIRIDULA	10.9	0.0	3.8	9.3	6.000
210	AGROPYRON TRICHOPHORUM	7.5	11.1	7.6	7.1	8.325
211	AGROPYRON SPECIES	74.2	88.5	76.9	79.8	79.850

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
212	STIPA VIRIDULA	10.2	6.3	0.0	3.1	4.900
213	AGROPYRON SPECIES	49.9	35.0	41.3	37.3	40.875
214	AGROPYRON TRICHOPHORUM	1.4	0.0	1.3	19.1	5.450
215	ORYZOPSIS HYMENOIDES	0.5	0.0	0.0	0.0	0.125

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
216	ELYMUS CINEREUS	3.1	0.0	0.0	0.0	0.775
217	ORYZOPSIS HYMENOIDES	16.3	0.0	1.5	0.0	4.450
218	AGROPYRON TRICHOPHORUM	8.1	4.6	0.0	8.3	5.250
219	AGROPYRON SPECIES	42.4	86.6	53.3	86.6	67.225

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

---------- BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUPPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
220	STIPA VIRIDULA	0	5.7	9.6	1	4.075

---------- BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUPPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
221	STIPA VIRIDULA	7.0	6.8	4.3	4.7	5.70
222	AGROPYRON SPECIES	70.3	55.4	21.6	84.1	57.85
223	AGROPYRON TRICHOPHORUM	0.0	26.0	35.8	8.8	17.65

---------- BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
224	AGROPYRON CRISTATUM	1	0	0	0	0.25
225	SITANION HYSTRIX	0	0	0	0	0.00

---------- BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
226	SITANION HYSTRIX	2.4	0.0	6.7	0.3	2.35
227	AGROPYRON CRISTATUM	2.0	1.4	0.0	0.0	0.85
228	BROMUS TECTORUM	1.1	0.0	1.3	1.6	1.00

---------- BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
229	BROMUS TECTORUM	0.9	0.3	0.4	0	0.4

---------- BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
230	POA SPECIES	0	0	0	7.7	1.925

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
231	BROMUS TECTORUM	0	0	0	0.3	0.075

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
232	BROMUS TECTORUM	0.2	1.8	0.2	0	0.55
233	POA SPECIES	0.0	0.0	4.8	0	1.20

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
234	BROMUS TECTORUM	1.0	16.8	0.0	0.6	4.600
235	SITANION HYSTRIX	0.2	0.4	0.0	0.0	0.150
236	STIPA COMATA	0.0	41.9	0.0	0.0	10.475
237	POA SPECIES	0.0	0.0	5.6	3.9	2.375

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
238	BROMUS TECTORUM	2.4	0.6	1.4	0	1.100
239	SITANION HYSTRIX	2.2	1.7	7.6	0	2.875
240	KOELERIA CRISTATA	0.0	6.5	0.0	0	1.625
241	AGROPYRON CRISTATUM	0.0	0.0	5.1	0	1.275

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
242	BROMUS TECTORUM	2.6	0	0	0	0.65
243	POA SPECIES	0.0	0	8	0	2.00

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
244	BROMUS TECTORUM	0.3	0.0	0	0	0.075
245	SITANION HYSTRIX	0.0	7.2	0	0	1.800

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
246	SITANION HYSTRIX	5.7	0.0	0.0	0.9	1.650
247	BROMUS TECTORUM	2.6	0.3	0.2	2.8	1.475
248	KOELERIA CRISTATA	10.3	0.0	0.0	0.0	2.575
249	STIPA VIRIDULA	0.0	0.5	1.3	0.0	0.450

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
250	BROMUS TECTORUM	0.2	0	0.3	0.0	0.125
251	SITANION HYSTRIX	0.0	0	0.0	11.9	2.975

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
252	AGROPYRON CRISTATUM	1.7	0.0	0	13.3	3.750
253	SITANION HYSTRIX	0.0	0.7	0	0.0	0.175

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
254	BROMUS TECTORUM	5	4	0	0	2.25

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
255	BROMUS TECTORUM	2.9	1.6	1.3	0.6	1.6
256	KOELERIA CRISTATA	0.0	0.0	0.0	2.0	0.5

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
257	BROMUS TECTORUM	0	0	0.2	0.4	0.15
258	AGROPYRON CRISTATUM	0	0	0.0	3.0	0.75

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
259	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
260	CERATOIDES LANATA	0	0	0	0	0
261	PURSHIA TRIDENTATA	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
262	CERATOIDES LANATA	0	0	0	0	0
263	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
264	PURSHIA TRIDENTATA	0	0	0	0	0
265	ARTEMISIA TRIDENTATA	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
266	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
267	CERATOIDES LANATA	0	0	0	0	0

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
268	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
269	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
270	CERATOIDES LANATA	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
271	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
272	CERATOIDES LANATA	0	0	0	0	0
273	PURSHIA TRIDENTATA	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
274	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
275	CERATOIDES LANATA	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
276	ARTEMISIA TRIDENTATA	0	0	0	0	0
277	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
278	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
279	CERATOIDES LANATA	0	0	0	0	0
280	ARTEMISIA TRIDENTATA	0	0	0	0	0

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
281	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
282	ARTEMISIA TRIDENTATA	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
283	CERATOIDES LANATA	0	0	0	0	0
284	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
285	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
286	ARTEMISIA TRIDENTATA	0	0	0	0	0
287	CERATOIDES LANATA	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
288	ARTEMISIA TRIDENTATA	0	0	0	0	0
289	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
290	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
291	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
292	CERATOIDES LANATA	0	0	0	0	0

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
293	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
294	PURSHIA TRIDENTATA	0	0	0	0	0
295	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
296	CERATOIDES LANATA	0	0	0	0	0
297	ARTEMISIA TRIDENTATA	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
298	CERATOIDES LANATA	0	0	0	0	0
299	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
300	ARTEMISIA TRIDENTATA	0	0	0	0	0
301	PURSHIA TRIDENTATA	0	0	0	0	0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
302	GUTIERREZIA SAROTHRAE	0	5.1	2.8	0.9	2.2

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
303	GUTIERREZIA SAROTHRAE	0.1	0	32.3	0.1	8.125

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
304	GUTIERREZIA SAROTHRAE	0	0.	8.8	0	2.2

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
305	GUTIERREZIA SAROTHRAE	6.2	0	0	17.6	5.95

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
306	GUTIERREZIA SAROTHRAE	0	7.1	0	0	1.775
307	AMELANCHIER UTAHENSIS	0	0.0	0	0	0.000

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
308	GUTIERREZIA SAROTHRAE	0	0	2.5	2.3	1.2

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
309	GUTIERREZIA SAROTHRAE	0.4	0	0	0	0.1
310	AMELANCHIER UTAHENSIS	0.0	0	0	0	0.0

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
311	GUTIERREZIA SAROTHRAE	0.1	0	0	0.3	0.1

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
312	GUTIERREZIA SAROTHRAE	0	14	0	0	3.5

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
313	GUTIERREZIA SAROTHRAE	1	0	21.7	34.8	14.375

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
314	GUTIERREZIA SAROTHRAE	0	0	0	2.9	0.725

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
315	GUTIERREZIA SAROTHRAE	0	0	0.3	0	0.075

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
316	GUTIERREZIA SAROTHRAE	0	0	0	0.8	0.2

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
317	GUTIERREZIA SAROTHRAE	0	0	44.1	0	11.025

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
318	GUTIERREZIA SAROTHRAE	1.2	0.	0	0	0.3

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
319	MELILOTUS OFFICINALIS	2.2	0.1	0.1	0.1	0.625
320	ASTRAGALUS CICER	7.9	0.0	0.0	0.0	1.975
321	LINUM LEWISII	1.5	6.9	0.1	3.2	2.925
322	SPHAERALCEA COCCINEA	0.0	0.1	0.0	0.1	0.050

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
323	LINUM LEWISII	4.8	25.3	1.9	3.8	8.950
324	ASTRAGALUS CICER	17.2	0.0	0.0	0.0	4.300
325	MELILOTUS OFFICINALIS	0.1	0.2	0.3	0.3	0.225

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
326	LINUM LEWISII	0.0	0.6	0.1	6.4	1.775
327	MELILOTUS OFFICINALIS	1.2	0.9	1.1	0.1	0.825
328	SPHAERALCEA COCCINEA	0.0	0.2	0.1	0.0	0.075

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
329	LINUM LEWISII	2.2	0.9	0.5	0.1	0.925
330	MELILOTUS OFFICINALIS	11.1	0.1	14.0	0.0	6.300
331	ASTRAGALUS CICER	0.2	0.0	0.6	0.0	0.200

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
332	MELILOTUS OFFICINALIS	6.5	38.7	21.8	11.2	19.55
333	ASTRAGALUS CICER	20.7	0.0	0.0	0.7	5.35
334	LINUM LEWISII	11.1	9.3	6.5	0.3	6.80

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
335	MELILOTUS OFFICINALIS	3.3	0	12.7	17.1	8.275
336	ASTRAGALUS CICER	11.0	0	0.0	34.2	11.300
337	LINUM LEWISII	0.0	0	4.9	1.3	1.550

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
338	LINUM LEWISII	1.6	0.0	0.0	0.1	0.425
339	MELILOTUS OFFICINALIS	0.3	2.2	0.4	1.3	1.050
340	SPHAERALCEA COCCINEA	0.1	0.0	0.0	0.0	0.025
341	ASTRAGALUS CICER	0.0	16.0	15.0	0.0	7.750

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
342	ASTRAGALUS CICER	31.8	0.0	37.0	0.0	17.200
343	MELILOTUS OFFICINALIS	0.9	2.0	22.5	4.5	7.475
344	HEDYSAPUM UTAHENSIS	0.0	0.0	0.0	0.6	0.150
345	SPHAERALCEA COCCINEA	0.0	0.7	0.0	0.0	0.175

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
346	LINUM LEWISII	0	4.2	1.0	28.2	8.350
347	MELILOTUS OFFICINALIS	0	0.5	0.2	0.4	0.275
348	ASTRAGALUS CICER	0	0.0	11.7	0.0	2.925

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
349	LINUM LEWISII	6.6	2.2	22.5	23.3	13.650
350	MELILOTUS OFFICINALIS	2.5	0.8	3.0	8.8	3.775
351	ASTRAGALUS CICER	0.0	38.8	30.2	10.5	19.875

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
352	LINUM LEWISII	22.5	12.8	5.7	8.3	12.325
353	MELILOTUS OFFICINALIS	8.3	0.4	3.5	5.8	4.500
354	SPHAERALCEA COCCINEA	1.2	0.0	0.0	0.0	0.300
355	ASTRAGALUS CICER	0.0	0.0	7.1	40.5	11.900
356	HEDYSARUM UTAHENSIS	0.0	0.0	8.1	0.0	2.025

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
357	LINUM LEWISII	7.7	8.4	17.7	18.7	13.125
358	ASTRAGALUS CICER	0.5	0.0	0.0	0.0	0.125
359	MELILOTUS OFFICINALIS	0.0	0.0	0.3	1.2	0.375
360	SPHAERALCEA COCCINEA	0.0	0.0	0.0	0.2	0.050

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
361	MELILOTUS OFFICINALIS	0.1	0.0	0.0	0.2	0.075
362	LINUM LEWISII	1.6	0.1	1.6	0.1	0.850

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
363	LINUM LEWISII	25.5	0.4	0.9	0.0	6.7
364	ASTRAGALUS CICER	4.9	0.0	0.0	1.9	1.7
365	MELILOTUS OFFICINALIS	0.1	0.0	0.2	0.1	0.1

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
366	SPHAERALCEA COCCINEA	0	0.	0	0.4	0.1

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
367	MELILOTUS OFFICINALIS	4.9	9.1	6.4	17.9	9.575
368	LINUM LEWISII	8.4	0.6	13.4	2.5	6.225
369	ASTRAGALUS CICER	3.9	39.7	7.0	11.1	15.425

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
370	LINUM LEWISII	30.0	0	0	0.1	7.525
371	ASTRAGALUS CICER	1.1	0	0	0.0	0.275
372	MELILOTUS OFFICINALIS	0.0	0	0	0.2	0.050

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
373	UNKNOWN FORBS	0.1	0.0	0.0	0.0	0.025
374	IPOMOPSIS AGGREGATA	0.4	0.3	0.8	0.3	0.450
375	CHAENACTIS DOUGLASII	0.2	0.2	0.1	0.0	0.125
376	SENECIO MULTILOBATUS	0.0	0.8	0.0	0.0	0.200

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
377	SENECIO MULTILOBATUS	0.1	0.2	0.1	0.0	0.100
378	PHYSARIA FLORIBUNDA	0.3	0.1	0.0	0.0	0.100
379	CHAENACTIS DOUGLASII	0.1	0.0	0.4	1.4	0.475
380	CRYPTANTHA SERICEA	0.0	0.1	0.1	0.0	0.050
381	IPOMOPSIS AGGREGATA	0.0	0.0	1.2	0.1	0.325
382	UNKNOWN COMPOSITE	0.0	0.0	0.0	0.5	0.125

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
383	IPOMOPSIS AGGREGATA	0.0	1.8	2.4	0.8	1.250
384	SENECIO MULTILOBATUS	0.0	0.1	0.3	0.1	0.125
385	CHAENACTIS DOUGLASII	0.4	0.0	0.0	0.0	0.100
386	UNKNOWN COMPOSITE	0.0	0.4	0.0	0.0	0.100
387	PENSTEMON SPECIES	0.0	0.1	0.0	0.0	0.025
388	CRYPTANTHA SERICEA	0.0	0.0	0.1	0.0	0.025

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
389	IPOMOPSIS AGGREGATA	0.1	0	0	0	0.025
390	SENECIO MULTILOBATUS	0.0	1	0	0	0.250

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
391	IPOMOPSIS AGGREGATA	3.9	0.5	0.0	0.0	1.100
392	ASTRAGALUS PURSHII	0.0	0.0	1.2	0.0	0.300
393	CHAENACTIS DOUGLASII	0.1	0.0	0.1	0.0	0.050
394	SENECIO MULTILOBATUS	0.0	0.4	0.5	0.0	0.225
395	CRYPTANTHA SERICEA	0.0	2.3	0.0	0.0	0.575
396	SENECIO MULTILOBATUS	0.0	0.0	0.0	0.1	0.025

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
397	IPOMOPSIS AGGREGATA	0.7	0.0	0	1.7	0.600
398	ASTRAGALUS PURSHII	0.4	0.0	0	0.0	0.100
399	CHAENACTIS DOUGLASII	0.2	1.2	0	0.3	0.425
400	SENECIO MULTILOBATUS	0.0	0.1	1	0.1	0.300
401	PHYSARIA FLORIBUNDA	0.0	0.7	0	0.0	0.175

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
402	UNKNOWN FORBS	1.3	0.4	0.0	0.0	0.425
403	CHAENACTIS DOUGLASII	0.1	0.0	0.1	0.0	0.050
404	SENECIO MULTILOBATUS	0.0	0.3	0.0	1.3	0.400
405	IPOMOPSIS AGGREGATA	0.0	0.0	0.0	0.2	0.050
406	UNKNOWN FORBS	0.0	0.0	0.0	0.1	0.025

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
407	CHAENACTIS DOUGLASII	2	0.3	0	0.9	0.800
408	PHYSARIA FLORIBUNDA	0	0.2	0	1.7	0.475
409	IPOMOPSIS AGGREGATA	0	4.5	0	0.0	1.125
410	UNKNOWN FORBS	0	0.8	0	0.0	0.200

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
411	UNKNOWN FORBS	0.6	0.0	0	1.0	0.400
412	UNKNOWN FORBS	0.5	2.4	0	0.5	0.850
413	CHAENACTIS DOUGLASII	0.3	0.6	0	0.6	0.375
414	PHYSARIA FLORIBUNDA	0.2	0.2	0	0.3	0.175
415	ASTRAGALUS PURSHII	0.0	1.0	0	0.0	0.250
416	SALSOLA KALI	0.0	0.3	0	0.0	0.075
417	IPOMOPSIS AGGREGATA	0.0	0.0	0	1.8	0.450
418	HAPLOPPAPPUS NUTTALLII	0.0	0.0	0	0.4	0.100

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
419	CHAENACTIS DOUGLASII	0.7	5.5	0.0	0.0	1.550
420	PHLOX SPECIES	0.7	0.0	0.0	0.0	0.175
421	SENECIO MULTILOBATUS	0.2	0.4	0.0	0.0	0.150
422	CRYPTANTHA SERICEA	0.0	0.6	0.0	0.0	0.150
423	PHYSARIA FLORIBUNDA	0.0	0.0	0.6	2.3	0.725
424	IPOMOPSIS AGGREGATA	0.0	0.0	3.6	0.0	0.900

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
425	UNKNOWN FORBS	0	0	0	5.2	1.3

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
426	ASTRAGALUS PURSHII	0.5	0.0	1.5	0.0	0.500
427	PHLOX HOODII	0.0	1.2	0.0	0.0	0.300
428	CHAENACTIS DOUGLASII	0.0	3.8	0.0	0.0	0.950
429	PHYSARIA FLORIBUNDA	0.0	0.8	0.0	0.0	0.200
430	SENECIO MULTILOBATUS	0.0	0.2	0.0	0.0	0.050
431	CRYPTANTHA SERICEA	0.0	0.0	0.2	0.0	0.050
432	LUPINUS ARGENTEUS	0.0	0.0	0.0	0.3	0.075
433	ASTRAGALUS DIVERSIFOLIUS	0.0	0.0	0.0	0.3	0.075
434	UNKNOWN FORBS	0.0	0.0	0.0	0.4	0.100

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
435	CRYPTANTHA SERICEA	0.1	0.3	0.0	0.0	0.100
436	CHAENACTIS DOUGLASII	0.0	0.0	2.2	0.2	0.600
437	ASTRAGALUS PURSHII	0.0	0.0	0.4	0.0	0.100
438	UNKNOWN FORBS	0.0	0.0	0.5	0.0	0.125
439	UNKNOWN COMPOSITE	0.0	0.0	0.0	0.1	0.025
440	SENECIO MULTILOBATUS	0.0	0.0	0.0	0.1	0.025
441	HAPLOPPAPPUS SPECIES	0.0	0.0	0.0	0.5	0.125
442	LUPINUS ARGENTEUS	0.0	0.0	0.0	0.5	0.125

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
443	ASTRAGALUS PURSHII	0	0.1	0	0.0	0.025
444	HAPLOPPAPPUS SPECIES	0	0.0	0	0.4	0.100
445	CRYPTANTHA SERICEA	0	0.0	0	0.1	0.025

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
446	HAPLOPPAPPUS NUTTALLII	5.5	0.0	0.0	0.0	1.375
447	IPOMOPSIS AGGREGATA	2.4	1.1	0.1	0.0	0.900
448	HAPLOPPAPPUS SPECILS	0.0	0.1	0.0	0.0	0.025
449	CHAENACTIS DOUGLASII	0.0	0.1	5.7	0.1	1.475
450	ASTER SPECIES	0.0	0.1	0.0	0.0	0.025
451	UNKNOWN FORBS	0.0	0.0	0.2	0.1	0.075
452	CRYPTANTHA SERICEA	0.0	0.0	39.4	0.0	9.850

BLOCK=? GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
453	ASTRAGALUS PURSHII	0.1	0	0.0	0.0	0.025
454	CRYPTANTHA SERICEA	0.1	0	0.2	0.0	0.075
455	HAPLOPPAPPUS NUTTALLII	0.0	0	0.1	0.0	0.025
456	CHAENACTIS DOUGLASII	0.0	0	0.0	0.1	0.025

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
457	PHYSARIA FLORIBUNDA	0.8	0	0.0	0.0	0.200
458	CRYPTANTHA SERICEA	0.1	0	3.2	0.0	0.825
459	CHAENACTIS DOUGLASII	0.3	0	0.0	0.0	0.075
460	SENECIO MULTILOBATUS	0.1	0	0.0	0.0	0.025
461	IPOMOPSIS AGGREGATA	0.0	0	0.1	0.0	0.025
462	LUPINUS ARGENTEUS	0.0	0	0.0	0.7	0.175
463	UNKNOWN FORBS	0.0	0	0.0	7.4	1.850
464	CREPIS OCCIDENTALIS	0.0	0	0.0	0.1	0.025

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
465	STIPA VIRIDULA	9.0	15.3	16.9	0.0	10.30
466	AGROPYRON SPECIES	63.8	39.5	75.4	99.1	74.45
467	AGROPYRON TRICHOPHORUM	0.0	0.0	15.4	0.0	3.85
468	ELYMUS CINEREUS	0.0	0.0	2.0	0.0	0.50

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
469	ORYZOPSIS HYMENOIDES	7.0	1.7	5.0	5.6	4.825
470	AGROPYRON TRICHOPHORUM	17.0	4.1	15.4	2.5	9.750
471	AGROPYRON SPECIES	25.2	33.2	3.4	5.5	16.825
472	STIPA VIRIDULA	6.0	0.0	4.7	11.0	5.425

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
473	STIPA VIRIDULA	4.1	1.9	3.2	1.1	2.575
474	ORYZOPSIS HYMENOIDES	0.0	6.1	3.6	0.8	2.625
475	AGROPYRON SPECIES	27.9	27.1	52.1	48.6	38.925
476	AGROPYRON TRICHOPHORUM	20.5	0.0	0.0	0.0	5.125

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
477	STIPA VIRIDULA	5.8	58.3	20.8	63.6	37.125
478	ORYZOPSIS HYMENOIDES	1.2	0.0	2.9	0.0	1.025
479	AGROPYRON TRICHOPHORUM	8.0	0.0	0.0	37.5	11.375
480	AGROPYRON SPECIES	69.5	43.1	53.2	42.3	52.025

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
481	STIPA VIRIDULA	17.9	1.4	4.5	2.5	6.575
482	ORYZOPSIS HYMENOIDES	3.1	0.0	0.0	0.0	0.775
483	AGROPYRON TRICHOPHORUM	2.8	0.0	10.5	5.8	4.775
484	AGROPYRON SPECIES	19.1	32.5	46.8	33.2	32.900

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
485	STIPA VIRIDULA	7.2	1.4	2.0	1.9	3.125
486	AGROPYRON TRICHOPHORUM	13.5	0.0	0.0	3.9	4.350
487	AGROPYRON SPECIES	45.2	34.0	7.2	44.9	32.825

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
488	STIPA VIRIDULA	8.6	13.5	3.9	2.1	7.025
489	AGROPYRON SPECIES	49.2	35.3	47.7	64.3	49.125
490	AGROPYRON TRICHOPHORUM	0.7	0.0	17.9	0.0	4.650
491	ELYMUS CINEREUS	0.0	7.8	1.8	0.0	2.400

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
492	LINUM LEWISII	4.9	0.3	5.2	2.4	3.200
493	AGROPYRON SPECIES	78.6	34.6	30.2	11.2	38.650
494	AGROPYRON SPECIES	78.6	34.6	30.2	11.2	38.650
495	ORYZOPSIS HYMENOIDES	0.9	2.0	0.0	0.0	0.725
496	STIPA VIRIDULA	2.9	5.3	20.3	9.0	9.375
497	ELYMUS CINEREUS	0.0	0.0	1.2	0.0	0.300
498	ELYMUS CINEREUS	0.0	0.0	1.2	0.0	0.300
499	AGROPYRON TRICHOPHORUM	0.0	61.2	6.5	0.0	16.925

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
500	AGROPYRON TRICHOPHORUM	14.6	0.0	0.0	0.0	3.650
501	STIPA VIRIDULA	18.8	0.0	2.8	16.9	9.625
502	AGROPYRON SPECIES	10.1	32.9	90.5	45.3	44.700
503	ORYZOPSIS HYMENOIDES	0.0	3.2	0.0	0.0	0.800

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
504	ORYZOPSIS HYMENOIDES	19.7	0.0	0.0	6.4	6.525
505	STIPA VIRIDULA	4.2	0.5	2.0	0.0	1.675
506	AGROPYRON TRICHOPHORUM	5.5	0.0	4.3	7.4	4.300
507	AGROPYRON SPECIES	18.9	28.0	33.9	17.7	24.625

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
508	STIPA VIRIDULA	1.5	12.1	6.9	2.1	5.650
509	AGROPYRON TRICHOPHORUM	8.9	0.0	10.7	18.5	9.525
510	AGROPYRON SPECIES	21.1	8.9	36.1	38.0	26.025
511	ELYMUS CINEREUS	0.0	15.4	0.0	0.0	3.850

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
512	STIPA VIRIDULA	10.1	2.6	8.2	9.2	7.525
513	AGROPYRON TRICHOPHORUM	7.8	13.8	1.2	3.2	6.500
514	AGROPYRON SPECIES	59.0	23.8	29.0	3.3	28.775
515	ORYZOPSIS HYMENOIDES	7.7	0.0	0.0	7.6	3.825

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
516	AGROPYRON TRICHOPHORUM	15.2	32.2	15.5	9.6	18.125
517	AGROPYRON SPECIES	45.2	37.5	41.2	56.5	45.100
518	STIPA VIRIDULA	1.1	3.2	4.5	0.1	2.225
519	ORYZOPSIS HYMENOIDES	0.0	0.0	0.0	2.8	0.700

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
520	STIPA VIRIDULA	1.7	54.4	0.3	81.7	34.525
521	AGROPYRON SPECIES	94.7	47.1	33.2	18.8	48.450
522	ORYZOPSIS HYMENOIDES	0.0	1.5	0.0	2.1	0.900
523	AGROPYRON TRICHOPHORUM	0.0	0.0	3.2	1.8	1.250

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
524	AGROPYRON SPECIES	22.5	23.2	26.9	24.1	24.175
525	AGROPYRON TRICHOPHORUM	24.5	11.8	9.2	11.3	14.200
526	STIPA VIRIDULA	2.9	4.9	8.2	5.0	5.250
527	ORYZOPSIS HYMENOIDES	0.0	0.5	2.4	0.0	0.725

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
528	STIPA VIRIDULA	37.1	16.5	61.6	6.6	30.450
529	ORYZOPSIS HYMENOIDES	2.0	0.0	0.0	0.1	0.525
530	AGROPYRON SPECIES	32.6	99.2	34.1	9.7	43.900
531	AGROPYRON TRICHOPHORUM	0.0	17.7	8.9	26.0	13.150

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
532	BROMUS TECTORUM	1.7	0.0	0	1.9	0.900
533	SITANION HYSTRIX	0.7	1.8	3	5.0	2.625

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
534	SITANION HYSTRIX	0	0.9	13.2	9.1	5.800
535	POA SPECIES	0	0.0	0.0	5.3	1.325
536	AGROPYRON CRISTATUM	0	2.0	0.0	0.0	0.500

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
537	AGROPYRON CRISTATUM	6.6	0.0	0	0	1.650
538	UNKNOWN FORBS	0.0	0.5	0	0	0.125
539	BROMUS TECTORUM	0.0	0.1	0	0	0.025

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
540	AGROPYRON CRISTATUM	0	0	0	2.1	0.525

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
541	SITANION HYSTRIX	0	0	0.2	0	0.05

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
542	SITANION HYSTRIX	4.5	0	0	0	1.125
543	POA SPECIES	0.5	0	0	0	0.125

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
544	BROMUS TECTORUM	0	0	0	2.1	0.525
545	BROMUS TECTORUM	0	0	0	2.1	0.525
546	AGROPYRON CRISTATUM	0	0	0	3.9	0.975
547	SITANION HYSTRIX	0	1	0	2.0	0.750

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
548	SITANION HYSTRIX	1.7	0	0	0	0.425

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
549	SITANION HYSTRIX	0.1	0	0.5	0	0.15

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
550	IPOMOPSIS AGGREGATA	0.1	4.9	0	0.0	1.250
551	BROMUS TECTORUM	2.0	0.0	0	0.0	0.500
552	SITANION HYSTRIX	0.4	0.9	0	0.0	0.325
553	UNKNOWN GRASSES	0.0	12.3	0	0.0	3.075
554	AGROPYRON CRISTATUM	0.0	0.0	0	2.9	0.725

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
555	BROMUS TECTORUM	0.1	2.7	1.6	0.0	1.10
556	SITANION HYSTRIX	0.0	3.0	3.0	6.8	3.20
557	AGROPYRON CRISTATUM	13.0	0.0	0.0	0.0	3.25
558	AGROPYRON CRISTATUM	0.0	0.0	0.0	0.8	0.20

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
559	AGROPYRON CRISTATUM	0	0	17.2	0	4.3

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
560	KOELERIA CRISTATA	7.9	0.0	0.0	0	1.975
561	SITANION HYSTRIX	0.0	9.3	0.0	0	2.325
562	BROMUS SPECIES	0.0	0.1	0.0	0	0.025
563	BROMUS TECTORUM	0.0	0.1	0.0	0	0.025
564	HORDEUM JUBATUM	0.0	0.0	2.2	0	0.550

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
565	SITANION HYSTRIX	2.1	0.0	0	0.0	0.525
566	AGROPYRON CRISTATUM	0.0	0.9	0	2.2	0.775

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
567	SITANION HYSTRIX	5.2	0	4.1	5.9	3.800
568	BROMUS TECTORUM	1.8	0	1.6	0.1	0.875
569	STIPA SPECIES	31.2	0	0.0	0.0	7.800
570	AGROPYRON CRISTATUM	0.5	0	1.1	0.0	0.400

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
571	CERATOIDES LANATA	0	0	0	0	0
572	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
573	CERATOIDES LANATA	.	0	0	0	0
574	CHRYSOTHAMNUS NAUSEOSUS	.	0	0	0	0
575	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
576	ARTEMISIA TRIDENTATA	0	0	0	0	0

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
577	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
578	CERATOIDES LANATA	0	0	0	0	0
579	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
580	CERATOIDES LANATA	0	0	0	0	0
581	PURSHIA TRIDENTATA	0	0	0	0	0
582	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
583	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
584	ARTEMISIA TRIDENTATA	0	0	0	0	0
585	CERATOIDES LANATA	0	0	0	0	0
586	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
587	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
588	CERATOIDES LANATA	0	0	0	0	0
589	ARTEMISIA TRIDENTATA	0	0	0	0	0
590	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
591	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
592	PURSHIA TRIDENTATA	0	0	0	0	0

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
593	ARTEMISIA TRIDENTATA	0	0	0	0	0
594	CERATOIDES LANATA	0	0	0	0	0
595	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
596	CERATOIDES LANATA	0	0	0	0	0
597	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
598	CERATOIDES LANATA	0	0	0	0	0
599	ARTEMISIA TRIDENTATA	0	0	0	0	0
600	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
601	ATRIPLEX CANESCENS	0	0	0	0	0
602	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
603	ARTEMISIA TRIDENTATA	0	12.5	0	0	3.125
604	CERATOIDES LANATA	0	0.0	0	0	0.000

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
605	CERATOIDES LANATA	0	0	0	0	0
606	PURSHIA TRIDENTATA	0	0	0	0	0

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
607	CERATOIDES LANATA	0	0	0	0	0
608	ARTEMISIA TRIDENTATA	0	0	0	0	0

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
609	ARTEMISIA TRIDENTATA	0	0	0	0	0
610	CERATOIDES LANATA	0	0	0	0	0
611	PURSHIA TRIDENTATA	0	0	0	0	0

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
612	CERATOIDES LANATA	0	0	0	0	0
613	ARTEMISIA TRIDENTATA	0	0	0	0	0

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
614	ARTEMISIA TRIDENTATA	0	0	0	0	0
615	CERATOIDES LANATA	0	0	0	0	0

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
616	CERATOIDES LANATA	.	0	0	0	0
617	CHRYSOTHAMNUS VISIDIFLORUS	.	0	0	0	0
618	ARTEMISIA TRIDENTATA	0	0	0	0	0

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
619	GUTIERREZIA SAROTHRAE	0	7 .	0	0	1.75

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
620	GUTIERREZIA SAROTHRAE	5.1	0	0	0.3	1.35

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
621	GUTIERREZIA SAROTHRAE	0	0.2	2	1	0.8

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
622	GUTIERREZIA SAROTHRAE	0	0.8	0	2.3	0.775

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUPPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
623	GUTIERREZIA SAROTHRAE	1.2	0.0	0	0.0	0.30
624	GUTIERREZIA SAROTHRAE	0.0	0.1	0	0.9	0.25

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
625	GUTIERREZIA SAROTHRAE	0	0	0	0.9	0.225

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
626	GUTIERREZIA SAROTHRAE	1.7	0.	0.5	0	0.55

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
627	GUTIERREZIA SAROTHRAE	0	0	3.4	5.9	2.325

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
628	GUTIERREZIA SAROTHRAE	0	0	0	0.5	0.125

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
629	GUTIERREZIA SAROTHRAE	0	0	0.3	0	0.075

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
630	GUTIERREZIA SAROTHRAE	0	0	0	3.2	0.8

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
631	GUTIERREZIA SAROTHRAE	0	0.5	0	0	0.125

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
632	GUTIERREZIA SAROTHRAE	0	18.8	0	1.2	4.875

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
633	GUTIERREZIA SAROTHRAE	0	0	13.1	0	3.275

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
634	MELILOTUS OFFICINALIS	69.6	2.1	2.3	10.8	21.200
635	HEDYSARUM UTAHENSIS	0.3	0.0	0.0	0.0	0.075
636	LINUM LEWISII	32.8	0.0	3.0	0.0	8.950

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
637	MELILOTUS OFFICINALIS	0.8	0.3	0.3	17.4	4.700
638	PHYSARIA FLORIBUNDA	0.2	0.0	0.0	0.0	0.050
639	LINUM LEWISII	0.4	3.3	5.9	6.6	4.050
640	PENSTEMON STRICTUS	0.0	0.0	0.0	0.3	0.075

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
641	LINUM LEWISII	2.5	3.0	0.5	0.0	1.500
642	PENSTEMON STRICTUS	2.1	0.0	0.0	0.0	0.525
643	MELILOTUS OFFICINALIS	0.0	0.3	0.8	1.9	0.750
644	ASTRAGALUS CICER	0.0	0.0	0.0	1.0	0.250
645	HEDYSARUM UTAHENSIS	0.0	0.0	0.0	3.5	0.875

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

---------- BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
646	MELILOTUS OFFICINALIS	1.8	3.6	6.6	0.1	3.025
647	LINUM LEWISII	0.5	10.4	6.1	0.0	4.250
648	ASTRAGALUS CICER	0.0	0.0	14.9	0.0	3.725

---------- BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
649	LINUM LEWISII	4.5	39	6.6	2.7	13.200
650	ASTRAGALUS CICER	1.7	.	12.6	0.0	3.575
651	MELILOTUS OFFICINALIS	0.5	.	1.8	0.0	0.575
652	HEDYSARUM UTAHENSIS	0.0	.	5.4	0.0	1.350

---------- BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
653	LINUM LEWISII	3.9	9.8	0.8	1.6	4.025
654	MELILOTUS OFFICINALIS	25.0	0.3	0.1	19.3	11.175
655	ASTRAGALUS CICER	0.0	27.6	0.0	0.0	6.900
656	SPHAERALCEA COCCINEA	0.0	1.0	0.0	0.0	0.250

---------- BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
657	LINUM LEWISII	3.3	0	9.9	0	3.300
658	HEDYSARUM UTAHENSIS	7.6	0	0.0	0	1.900
659	SPHAERALCEA COCCINEA	0.0	0	0.7	0	0.175
660	MELILOTUS OFFICINALIS	0.0	0	0.6	0	0.150

---------- BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
661	LINUM LEWISII	11.2	0.2	3.4	37.7	13.125
662	MELILOTUS OFFICINALIS	6.9	0.3	0.0	3.7	2.725

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
663	ASTRAGALUS CICER	0	6.4	0	9.6	4

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
664	LINUM LEWISII	3.9	2.0	0.3	5.4	2.90
665	ASTRAGALUS CICER	3.1	0.0	26.1	0.0	7.30
666	MELILOTUS OFFICINALIS	0.1	1.5	0.0	0.2	0.45

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
667	LINUM LEWISII	19.9	7.8	6.5	7.3	10.375
668	ASTRAGALUS CICER	0.0	0.4	8.1	17.5	6.500

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
669	LINUM LEWISII	17.6	11.4	15.7	1.3	11.5
670	MELILOTUS OFFICINALIS	17.1	0.3	0.0	0.2	4.4

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
671	LINUM LEWISII	0	0.2	0	1.0	0.300
672	ASTRAGALUS CICER	0	0.0	0	8.3	2.075

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
673	LINUM LEWISII	0	4.1	0.0	2.3	1.600
674	ASTRAGALUS CICER	0	0.0	5.8	0.0	1.450
675	ASTRAGALUS CICER	0	0.0	0.0	0.5	0.125

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
676	LINUM LEWISII	6.3	32.9	1.7	25.2	16.525
677	ASTRAGALUS CICER	19.8	0.0	0.0	11.4	7.800
678	MELILOTUS OFFICINALIS	0.3	2.1	0.1	0.3	0.700
679	HEDYSARUM UTAHENSIS	0.0	0.0	8.7	0.0	2.175

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
680	LINUM LEWISII	10.6	0	1.8	12.8	6.300
681	PENSTEMON STRICTUS	1.6	0	0.0	3.3	1.225
682	ASTRAGALUS CICER	0.0	0	0.0	0.8	0.200

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
683	LINUM LEWISII	0	7.1	2.2	22.3	7.9
684	ASTRAGALUS CICER	0	4.0	0.0	0.0	1.0

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
685	UNKNOWN FORBS	7.6	0.7	0.1	1.9	2.575
686	CRYPTANTHA SERICEA	7.0	0.0	0.0	4.1	2.775
687	PHLOX HOODII	0.0	0.3	0.0	0.0	0.075
688	IPOMOPSIS AGGREGATA	0.0	0.0	1.8	0.0	0.450
689	ASTRAGALUS DIVERSIFOLIUS	0.0	0.0	0.4	0.0	0.100

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
690	CHAENACTIS DOUGLASII	0	0	0.2	0	0.05

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
691	UNKNOWN FORBS	21.8	0.8	3.3	0.3	6.550
692	HAPLOPPAPPUS NUTTALLII	0.2	0.0	0.0	0.0	0.050
693	CRYPTANTHA SERICEA	0.0	0.0	1.8	0.0	0.450
694	COMANDRA UMBELLATA	0.0	0.0	11.7	0.0	2.925
695	ARENARIA FENDLERI	0.0	0.0	0.6	0.0	0.150
696	PHLOX HOODII	0.0	0.0	0.6	0.0	0.150
697	SPHAERALCEA COCCINEA	0.0	0.0	0.1	0.0	0.025
698	ASTRAGALUS PURSHII	0.0	0.0	0.0	0.9	0.225
699	CHAENACTIS DOUGLASII	0.0	0.0	0.0	0.4	0.100

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
700	ARENARIA FENDLERI	1.3	0.0	0.0	0.0	0.325
701	CHAENACTIS DOUGLASII	1.9	0.0	0.2	0.0	0.525
702	IPOMOPSIS AGGREGATA	0.6	0.0	0.1	0.0	0.175
703	PHYSARIA FLORIBUNDA	1.0	0.8	0.0	1.3	0.775
704	UNKNOWN FORBS	1.6	0.2	0.0	0.3	0.525
705	SENECIO MULTILOBATUS	0.0	0.4	0.0	0.0	0.100
706	ASTRAGALUS PURSHII	0.0	0.0	0.5	0.1	0.150
707	HAPLOPPAPPUS NUTTALLII	0.0	0.0	0.0	15.3	3.825

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
708	UNKNOWN FORBS	1.3	0.7	0.6	0.3	0.725
709	SALSOLA KALI	0.2	0.0	0.0	0.0	0.050
710	CHAENACTIS DOUGLASII	0.3	0.0	0.0	0.0	0.075
711	SENECIO MULTILOBATUS	0.0	0.0	0.0	0.2	0.050

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
712	IPOMOPSIS AGGREGATA	0.2	..	0.0	0.0	0.050
713	ASTRAGALUS PURSHII	0.5	.	1.6	0.0	0.525
714	CRYPTANTHA SERICEA	0.1	.	0.0	0.0	0.025
715	UNKNOWN FORBS	0.0	0.5	0.0	0.5	0.250
716	IPOMOPSIS AGGREGATA	0.0	0.0	0.7	0.5	0.300
717	HAPLOPPAPPUS NUTTALLII	0.0	0.0	3.4	0.4	0.950
718	SENECIO MULTILOBATUS	0.0	0.0	0.4	1.9	0.575

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
719	IPOMOPSIS AGGREGATA	3.8	0.0	0.0	0.0	0.950
720	COMANDRA UMBELLATA	6.4	6.7	0.0	0.0	3.275
721	CHAENACTIS DOUGLASII	0.5	1.1	1.0	4.0	1.650
722	PHYSARIA FLORIBUNDA	0.7	0.0	0.0	0.0	0.175
723	UNKNOWN FORBS	0.5	0.0	0.0	0.7	0.300
724	HAPLOPPAPPUS NUTTALLII	0.1	0.0	0.0	1.0	0.275
725	TOWING	0.0	1.5	0.0	0.0	0.375
726	SENECIO MULTILOBATUS	0.0	0.0	0.9	0.4	0.325
727	ASTRAGALUS PURSHII	0.0	0.0	0.5	0.0	0.125

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
728	SENECIO MULTILOBATUS	0.4	0.0	0.2	0.0	0.150
729	CHAENACTIS DOUGLASII	0.3	0.9	0.1	0.2	0.375
730	CRYPTANTHA SERICEA	0.8	0.0	0.0	0.0	0.200
731	UNKNOWN FORBS	0.1	1.1	2.2	1.0	1.100
732	ASTRAGALUS DIVERSIFOLIUS	0.0	0.6	0.0	0.0	0.150
733	PHLOX HOODII	0.0	1.3	0.7	0.0	0.500
734	IPOMOPSIS AGGREGATA	0.0	0.0	0.1	0.1	0.050
735	ASTRAGALUS PURSHII	0.0	0.0	0.2	0.0	0.050

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
736	UNKNOWN FORBS	6.1	1.1	.	0.6	1.950
737	CHAENACTIS DOUGLASII	0.9	1.1	1.1	2.5	1.400
738	PHYSARIA FLORIBUNDA	0.0	0.7	0.0	0.0	0.175
739	SENECIO MULTILOBATUS	0.0	0.2	0.0	0.0	0.050
740	IPOMOPSIS AGGREGATA	0.0	1.8	11.6	2.4	3.950
741	CRYPTANTHA SERICEA	0.0	0.0	0.4	0.7	0.275
742	GUTIERREZIA SAROTHRAE	0.0	0.0	29.7	0.0	7.425
743	HAPLOPPAPPUS NUTTALLII	0.0	0.0	0.0	0.4	0.100

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
744	ASTRAGALUS PURSHII	1.1	2.1	25.9	0.0	7.275
745	GUTIERREZIA SAROTHRAE	0.5	0.2	0.0	0.0	0.175
746	SENECIO MULTILOBATUS	0.1	0.5	0.8	0.1	0.375
747	UNKNOWN FORBS	0.1	0.0	5.5	0.1	1.425
748	CHAENACTIS DOUGLASII	0.0	0.1	0.1	5.8	1.500
749	CRYPTANTHA SERICEA	0.0	0.2	0.3	0.0	0.125
750	PHYSARIA FLORIBUNDA	0.0	0.1	0.0	0.0	0.025
751	HEDYSARUM BOREALE	0.0	0.0	9.4	0.0	2.350
752	IPOMOPSIS AGGREGATA	0.0	0.0	0.0	3.9	0.975
753	ASTRAGALUS DIVERSIFOLIUS	0.0	0.0	0.0	1.8	0.450

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
754	HAPLOPPAPPUS NUTTALLII	12.5	.	0.0	0.0	3.125
755	UNKNOWN FORBS	0.1	0.4	0.1	0.7	0.325
756	CHAENACTIS DOUGLASII	0.4	.	0.0	0.3	0.175
757	SENECIO MULTILOBATUS	0.0	.	0.0	1.1	0.275
758	SALSOLA KALI	0.0	.	0.0	0.4	0.100
759	PHYSARIA FLORIBUNDA	0.0	.	0.0	0.9	0.225
760	IPOMOPSIS AGGREGATA	0.0	.	0.0	0.1	0.025

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
761	CHAENACTIS DOUGLASII	15.0	3.6	5.0	0.7	6.075
762	PENSTEMON SPECIES	0.1	0.6	0.4	2.0	0.775
763	SALSOLA KALI	0.1	1.1	0.0	0.0	0.300
764	UNKNOWN FORBS	4.0	0.0	0.4	3.5	1.975

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
765	HAPLOPPAPPUS NUTTALLII	25.9	0.0	0.0	0.1	6.500
766	UNKNOWN FORBS	0.1	2.2	0.5	2.8	1.400
767	SENECIO MULTILOBATUS	0.1	2.4	0.0	0.0	0.625
768	ARENARIA FENDLERI	0.0	0.2	0.0	0.0	0.050
769	ASTRAGALUS PURSHII	0.0	0.0	0.0	0.1	0.025
770	CHAENACTIS DOUGLASII	0.0	0.0	0.0	0.2	0.050

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING. FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
771	UNKNOWN FORBS	1.8	0.0	0	0.0	0.45
772	MELILOTUS OFFICINALIS	0.1	0.1	0	0.0	0.05
773	ASTRAGALUS PURSHII	0.0	0.0	1	0.0	0.25
774	IPOMOPSIS AGGREGATA	0.0	0.0	0	0.2	0.05

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
775	HAPLOPPAPPUS NUTTALLII	4.5	0.0	0.0	0.0	1.125
776	LUPINUS SPECIES	6.4	0.0	0.0	0.0	1.600
777	CHAENACTIS DOUGLASII	0.4	11.1	2.5	0.8	3.700
778	UNKNOWN FORBS	0.4	1.0	0.0	0.6	0.500
779	COMANDRA UMBELLATA	0.0	5.4	0.0	0.0	1.350
780	IPOMOPSIS AGGREGATA	0.0	0.7	1.0	0.0	0.425
781	PHYSARIA FLORIBUNDA	0.0	0.0	1.4	0.0	0.350
782	SENECIO MULTILOBATUS	0.0	0.0	0.8	0.0	0.200

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

---------- BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
783	CHAENACTIS DOUGLASII	0.1	0.0	1.3	0.0	0.350
784	UNKNOWN FORBS	1.1	0.0	0.0	0.0	0.275
785	PHYSARIA FLORIBUNDA	0.1	0.0	0.0	0.2	0.075
786	SENECIO MULTILOBATUS	0.0	0.1	0.0	0.0	0.025
787	ASTRAGALUS PURSHII	0.0	0.0	0.3	.	0.075

---------- BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
788	IPOMOPSIS AGGREGATA	0.5	0.0	0.0	0.0	0.125
789	CRYPTANTHA SERICEA	0.6	0.0	0.0	0.0	0.150
790	CHAENACTIS DOUGLASII	0.0	0.6	0.0	0.0	0.150
791	HAPLOPPAPPUS NUTTALLII	0.0	0.0	34.8	0.0	8.700
792	CHAENACTIS DOUGLASII	0.0	0.0	0.1	0.1	0.050
793	SENECIO MULTILOBATUS	0.0	0.0	0.1	0.0	0.025
794	CRYPTANTHA SERICEA	0.0	0.0	0.0	0.1	0.025

---------- BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
795	AGROPYRON TRICHOPHORUM	9.3	0.0	8.0	4.1	5.350
796	AGROPYRON SPECIES	88.9	99.6	84.1	54.3	81.725

---------- BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
797	AGROPYRON SPECIES	61.4	57.0	18.5	40.7	44.400
798	AGROPYRON TRICHOPHORUM	2.9	5.5	5.2	3.1	4.175
799	STIPA VIRIDULA	7.0	1.9	0.0	0.0	2.225
800	SITANION HYSTRIX	0.9	0.0	0.0	0.0	0.225
801	ORYZOPSIS HYMENOIDES	0.0	2.1	0.0	1.3	0.850

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
802	AGROPYRON SPECIES	50.4	35.8	80.4	54.1	55.175
803	AGROPYRON TRICHOPHORUM	11.8	8.3	5.6	3.8	7.375

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
804	AGROPYRON TRICHOPHORUM	25.7	0.0	16.5	29.8	18.000
805	AGROPYRON SPECIES	28.1	35.5	58.1	80.5	50.550
806	STIPA VIRIDULA	1.6	3.1	1.6	0.0	1.575
807	ORYZOPSIS HYMENOIDES	0.0	0.7	0.0	0.0	0.175

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
808	AGROPYRON TRICHOPHORUM	23.8	3.2	8.1	14.3	12.35
809	STIPA VIRIDULA	4.1	2.1	1.4	2.4	2.50
810	ORYZOPSIS HYMENOIDES	0.2	5.3	0.0	2.9	2.10

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
811	AGROPYRON SPECIES	5.0	50	47.0	17.2	29.800
812	AGROPYRON TRICHOPHORUM	1.7	0	12.2	0.4	3.575
813	STIPA VIRIDULA	0.6	0	0.0	0.7	0.325
814	ELYMUS CINEREUS	0.0	0	0.0	30.4	7.600

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
815	STIPA VIRIDULA	19.4	0.0	0.0	10.0	7.350
816	AGROPYRON TRICHOPHORUM	5.3	33.0	0.0	95.6	33.475
817	AGROPYRON SPECIES	71.9	66.1	60.3	78.4	69.175
818	ELYMUS CINEREUS	0.0	5.5	0.0	0.0	1.375

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
819	ORYZOPSIS HYMENOIDES	0	0	0.3	0	0.075

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
820	AGROPYRON TRICHOPHORUM	2.0	2.9	29.6	2.4	9.225
821	AGROPYRON SPECIES	7.2	48.0	26.5	5.0	21.675
822	STIPA VIRIDULA	0.8	1.2	0.0	0.0	0.500
823	ORYZOPSIS HYMENOIDES	1.3	0.9	0.0	0.8	0.750
824	ELYMUS CINEREUS	0.0	0.0	6.1	0.0	1.525

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
825	STIPA VIRIDULA	7.6	0.5	0.0	0.0	2.025
826	AGROPYRON SPECIES	42.2	37.6	61.7	0.4	35.475
827	AGROPYRON TRICHOPHORUM	18.0	9.3	0.0	0.0	6.825

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
828	AGROPYRON TRICHOPHORUM	38.8	15.6	4.7	0.0	14.775
829	AGROPYRON SPECIES	21.8	99.9	88.8	45.9	64.100
830	STIPA VIRIDULA	0.4	.	0.0	4.9	1.325
831	ORYZOPSIS HYMENOIDES	0.0	.	0.0	0.4	0.100

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
832	ORYZOPSIS HYMENOIDES	2.6	0.9	0.0	0.0	0.875
833	AGROPYRON SPECIES	4.3	4.8	48.5	37.6	23.800
834	STIPA VIRIDULA	0.0	19.8	0.4	1.9	5.525
835	AGROPYRON TRICHOPHORUM	0.0	0.0	1.1	0.0	0.275

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

---------- BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
836	ORYZOPSIS HYMENOIDES	0.2	0.0	0.0	0.0	0.050
837	AGROPYRON SPECIES	49.6	23.1	8.2	57.0	34.475
838	STIPA VIRIDULA	2.6	2.4	22.3	0.3	6.900
839	AGROPYRON TRICHOPHORUM	18.3	10.2	2.4	55.2	21.525

---------- BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
840	AGROPYRON SPECIES	76.7	27.1	66.5	0.0	42.575
841	STIPA VIRIDULA	2.6	0.0	3.7	0.0	1.575
842	AGROPYRON TRICHOPHORUM	3.7	42.1	18.4	0.0	16.050
843	AGROPYRON SPECIES	0.0	0.0	0.0	60.1	15.025
844	AGROPYRON TRICHOPHORUM	0.0	0.0	0.0	39.4	9.850

---------- BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
845	AGROPYRON SPECIES	22.5	1.2	10.3	56.7	22.675
846	AGROPYRON TRICHOPHORUM	22.0	0.0	11.9	14.0	11.975
847	STIPA VIRIDULA	2.6	0.4	1.8	0.0	1.200
848	ELYMUS CINEREUS	0.0	20.1	0.0	0.0	5.025
849	ORYZOPSIS HYMENOIDES	0.0	0.0	0.0	0.9	0.225

---------- BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
850	AGROPYRON SPECIES	73.8	87.6	46.8	58.0	66.55
851	STIPA VIRIDULA	2.1	0.5	0.0	3.6	1.55
852	ORYZOPSIS HYMENOIDES	1.0	0.0	0.0	7.2	2.05
853	AGROPYRON TRICHOPHORUM	0.0	18.7	0.0	7.3	6.50

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
854	AGROPYRON TRICHOPHORUM	4.0	17.4	0.0	0.0	5.350
855	AGROPYRON SPECIES	82.0	25.7	0.0	0.0	26.925
856	STIPA VIRIDULA	1.4	4.0	0.0	0.0	1.350
857	AGROPYRON SPECIES	0.0	0.0	41.2	39.9	20.275
858	ORYZOPSIS HYMENOIDES	0.0	0.0	14.8	1.2	4.000
859	STIPA VIRIDULA	0.0	0.0	0.0	11.1	2.775
860	AGROPYRON TRICHOPHORUM	0.0	0.0	0.0	7.6	1.900

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
861	BROMUS TECTORUM	0	0	0.8	0	0.20
862	SITANION HYSTRIX	0	0	0.6	0	0.15

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
863	AGROPYRON CRISTATUM	0	0.8	0.0	0	0.2
864	BROMUS TECTORUM	0	0.0	0.8	0	0.2

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
865	AGROPYRON CRISTATUM	0	17.5	0.0	0	4.375
866	SITANION HYSTRIX	0	0.0	8.5	0	2.125

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
867	BROMUS TECTORUM	9	2.5	0.0	0	2.875
868	AGROPYRON CRISTATUM	0	0.0	6.2	0	1.550

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
869	AGROPYRON SPECIES	46	22.1	48.3	33	37.35

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
870	BROMUS TECTORUM	0	0	0	0.1	0.025

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
871	BROMUS TECTORUM	1.7	0.0	0.0	0	0.425
872	KOELERIA CRISTATA	4.8	0.0	0.0	0	1.200
873	POA SPECIES	2.2	0.0	0.0	0	0.550
874	SITANION HYSTRIX	0.0	0.7	0.1	0	0.200

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
875	BROMUS TECTORUM	6.6	0.3	0	0.2	1.775
876	SITANION HYSTRIX	1.2	0.4	0	0.5	0.525
877	KOELERIA CRISTATA	0.0	0.0	0	1.6	0.400

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
878	SITANION HYSTRIX	0	0	0	2.2	0.55

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
879	SITANION HYSTRIX	0	1.7	0.0	0	0.425
880	IPOMOPSIS AGGREGATA	0	0.0	2.2	0	0.550
881	BROMUS TECTORUM	0	0.0	0.4	0	0.100

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
882	KOELERIA CRISTATA	1.5	0.0	0.0	0	0.375
883	BROMUS TECTORUM	1.1	0.5	6.8	0	2.100
884	AGROPYRON CRISTATUM	1.0	2.9	0.0	0	0.975
885	SITANION HYSTRIX	0.0	0.0	9.4	0	2.350

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
886	SITANION HYSTRIX	1.6	0	0.0	0	0.400
887	AGROPYRON CRISTATUM	0.0	0	7.3	0	1.825

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
888	BROMUS TECTORUM	0	0.4	0	0	0.1

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
889	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
890	CERATOIDES LANATA	0	0	0	0	0

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
891	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
892	CERATOIDES LANATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
893	ARTEMISIA TRIDENTATA	0	0	0	0	0
894	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
895	CERATOIDES LANATA	0	0	0	0	0
896	PURSHIA TRIDENTATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
897	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
898	CERATOIDES LANATA	0	0	0	0	0
899	ARTEMISIA TRIDENTATA	0	0	0	0	0
900	ATRIPLEX CANESCENS	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
901	CERATOIDES LANATA	0	.	0	0	0
902	ARTEMISIA TRIDENTATA	0	.	0	0	0
903	PURSHIA TRIDENTATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
904	CERATOIDES LANATA	0	0	0	0	0
905	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
906	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
907	PURSHIA TRIDENTATA	0	0	0	0	0

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
908	ARTEMISIA TRIDENTATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
909	PURSHIA TRIDENTATA	0	0	0	0	0
910	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
911	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
912	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
913	CERATOIDES LANATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
914	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
915	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
916	CERATOIDES LANATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
917	CERATOIDES LANATA	0	0	0	0	0
918	PURSHIA TRIDENTATA	0	0	0	0	0
919	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
920	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
921	CHRYSOTHAMNUS NAUSEOSUS	0	.	0	0	0
922	CERATOIDES LANATA	0	.	0	0	0

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
923	CERATOIDES LANATA	0	0	0	0	0
924	ARTEMISIA TRIDENTATA	0	0	0	0	0
925	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
926	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
927	ARTEMISIA TRIDENTATA	0	0	0	0	0
928	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
929	CERATOIDES LANATA	0	0	0	0	0
930	ARTEMISIA TRIDENTATA	0	0	0	0	0
931	CERATOIDES LANATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
932	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
933	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
934	CERATOIDES LANATA	0	0	0	0	0
935	ATRIPLEX CANESCENS	0	0	0	0	0

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EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
936	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
937	ARTEMISIA TRIDENTATA	0	0	0	0	0
938	CERATOIDES LANATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
939	GUTIERREZIA SAROTHRAE	0	0	0	0.6	0.15

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
940	GUTIERREZIA SAROTHRAE	0.2	0.6	1.2	0	0.5

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
941	GUTIERREZIA SAROTHRAE	0	5.7	5.4	0	2.775

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
942	GUTIERREZIA SAROTHRAE	0	0	0.1	0	0.025

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
943	GUTIERREZIA SAROTHRAE	0	.	1.3	0	0.325

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-1 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
944	GUTIERREZIA SAROTHRAE	0	0	0	1	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
945	GUTIERREZIA SAROTHRAE	0	0	0.6	0.2	0.2

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
946	GUTIERREZIA SAROTHRAE	1.4	0	0	0.4	0.45

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
947	GUTIERREZIA SAROTHRAE	0	0	0.5	0.1	0.15

APPENDIX 6-1.2

Analyses for Plot R-1 Experimental Revegetation Data

Results of three-way ANOVA's comparing grass, forb and shrub data (arcsine transformed cover estimates) for Experimental Revegetation Plot R-1. Analyses correspond to those summarized on Table 6-2.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 165

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	1.06264850	0.02260954
ERROR	117	2.04914410	0.01751405
CORRECTED TOTAL	164	3.11179260	

MODEL F =	1.29		PR > F = 0.1367

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.341491	106.0479	0.13234067	0.12479330

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.13605715	3.88	0.0233
MULCH	3	0.05453074	1.04	0.3795
FERTILIZ	3	0.08132107	1.55	0.2044
BLOCK*MULCH	6	0.04328438	0.41	0.8699
BLOCK*FERTILIZ	6	0.06599868	0.63	0.7075
MULCH*FERTILIZ	9	0.25652651	1.63	0.1146
BLOCK*MULCH*FERTILIZ	18	0.42492997	1.35	0.1717

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 191

EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1

THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981

GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	1.60367810	0.03412081
ERROR	143	12.70304106	0.08883245
CORRECTED TOTAL	190	14.30671916	

MODEL F =	0.38	PR > F =	1.0000

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.112093	131.5125	0.29804774	0.22663072

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.01278137	0.07	0.9306
MULCH	3	0.12265572	0.46	0.7143
FERTILIZ	3	0.15863169	0.60	0.6232
BLOCK*MULCH	6	0.27652500	0.52	0.7934
BLOCK*FERTILIZ	6	0.16552154	0.31	0.9307
MULCH*FERTILIZ	9	0.30165302	0.38	0.9440
BLOCK*MULCH*FERTILIZ	18	0.56590977	0.35	0.9932

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 102

EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1

THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981

GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	42	0.67879005	0.01616167
ERROR	59	0.35464870	0.00601099
CORRECTED TOTAL	101	1.03343875	

MODEL F = 2.69 PR > F = 0.0002

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.656827	111.8711	0.07753061	0.06930354

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00875166	0.73	0.4872
MULCH	3	0.01317827	0.73	0.5410
FERTILIZ	3	0.00722709	0.40	0.7561
BLOCK*MULCH	6	0.05306187	1.47	0.2038
BLOCK*FERTILIZ	6	0.10333970	2.87	0.0162
MULCH*FERTILIZ	9	0.21933980	4.05	0.0005
BLOCK*MULCH*FERTILIZ	13	0.27389167	3.51	0.0005

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 141

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	0.05820484	0.00123840
ERROR	93	0.10365987	0.00111462
CORRECTED TOTAL	140	0.16186471	

MODEL F =	1.11	PR > F =	0.3282

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.359589	89.9082	0.03338596	0.03713339

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00320255	1.44	0.2430
MULCH	3	0.00636445	1.90	0.1328
FERTILIZ	3	0.00128892	0.39	0.7668
BLOCK*MULCH	6	0.00463640	0.69	0.6556
BLOCK*FERTILIZ	6	0.00889585	1.33	0.2516
MULCH*FERTILIZ	9	0.01793417	1.79	0.0805
BLOCK*MULCH*FERTILIZ	18	0.01588249	0.79	0.7050

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=SHRUB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 42

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=SHRUB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	37	0.07208054	0.00194812
ERROR	4	0.00145206	0.00036302
CORRECTED TOTAL	41	0.07353260	

MODEL F =	5.37		PR > F = 0.0560

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.980253	50.8666	0.01905297	0.03745676

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00373410	5.14	0.0784
MULCH	3	0.00463626	4.26	0.0978
FERTILIZ	3	0.01555872	14.29	0.0133
BLOCK*MULCH	6	0.00621370	2.85	0.1648
BLOCK*FERTILIZ	6	0.00638458	2.93	0.1586
MULCH*FERTILIZ	9	0.02086132	6.39	0.0449
BLOCK*MULCH*FERTILIZ	8	0.01469187	5.06	0.0673

Results of a one-way ANOVA comparing grass, forb and shrub data (arcsine transformed cover estimates) among years for Experimental Revegetation Plot R-1. Analyses correspond to those summarized on Table 6-3.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	76 77 78 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 798

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE
MODEL	4	1.79075982	0.44768996	48.12
ERROR	793	7.37799733	0.00930391	PR > F
CORRECTED TOTAL	797	9.16875715		0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.195311	132.5052	0.09645676	0.07279467

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	1.79075982	48.12	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	76 77 78 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 1008

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE
MODEL	4	4.88745244	1.22186311	43.98
ERROR	1003	27.86507834	0.02778173	PR > F
CORRECTED TOTAL	1007	32.75253078		0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.149224	123.1729	0.16667853	0.13532082

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	4.88745244	43.98	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	76 77 78 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 793

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE
MODEL	4	0.04170018	0.01042505	9.32
ERROR	788	0.88108434	0.00111813	PR > F
CORRECTED TOTAL	792	0.92278452		0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.045190	92.9967	0.03343841	0.03595654

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	0.04170018	9.32	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	76 77 78 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 993

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE
MODEL	4	13.50493490	3.37623373	39.53
ERROR	988	84.39275134	0.08541776	PR > F
CORRECTED TOTAL	992	97.89768624		0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.137949	228.6582	0.29226318	0.12781663

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	13.50493490	39.53	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	76 77 78 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 202

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE
MODEL	4	0.44743074	0.11185768	6.57
ERROR	197	3.35311847	0.01702091	PR > F
CORRECTED TOTAL	201	3.80054920		0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.117728	149.2121	0.13046419	0.08743541

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	0.44743074	6.57	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	2	80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 43

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE
MODEL	1	0.00029761	0.00029761	0.17
ERROR	41	0.07353260	0.00179348	PR > F
CORRECTED TOTAL	42	0.07383021		0.6859

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.004031	114.3010	0.04234948	0.03705082

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	1	0.00029761	0.17	0.6859

Results of three-way ANOVA's comparing grass, forb and shrub data (arcsine transformed cover estimates) among years for Experimental Revegetation Plot R-1. Analyses correspond to those summarized on Table 6-5.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 798

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	0.43307876	0.00921444
ERROR	750	8.73567839	0.01164757
CORRECTED TOTAL	797	9.16875715	

MODEL F =	0.79	PR > F = 0.8417

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.047234	148.2580	0.10792391	0.07279467

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.04729796	2.03	0.1320
MULCH	3	0.06577515	1.88	0.1293
FERTILIZ	3	0.03300070	0.94	0.4202
BLOCK*MULCH	6	0.01785632	0.26	0.9571
BLOCK*FERTILIZ	6	0.05044487	0.72	0.6321
MULCH*FERTILIZ	9	0.06011172	0.57	0.8205
BLOCK*MULCH*FERTILIZ	18	0.15859203	0.76	0.7524

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 993

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	3.45988018	0.07361447
ERROR	945	94.43780607	0.09993419
CORRECTED TOTAL	992	97.89768624	

MODEL F =	0.74		PR > F = 0.9060

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.035342	247.3259	0.31612369	0.12781663

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.15892185	0.80	0.4518
MULCH	3	0.70836939	2.36	0.0686
FERTILIZ	3	0.44019414	1.47	0.2202
BLOCK*MULCH	6	0.21010515	0.35	0.9098
BLOCK*FERTILIZ	6	0.42787154	0.71	0.6387
MULCH*FERTILIZ	9	0.53611827	0.60	0.8022
BLOCK*MULCH*FERTILIZ	18	0.97829983	0.54	0.9376

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 1008

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	1.05463705	0.02243909
ERROR	960	31.69789373	0.03301864
CORRECTED TOTAL	1007	32.75253078	

MODEL F =	0.68		PR > F = 0.9515

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.032200	134.2811	0.18171032	0.13532082

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.01430711	0.22	0.8052
MULCH	3	0.10347141	1.04	0.3727
FERTILIZ	3	0.15673092	1.58	0.1904
BLOCK*MULCH	6	0.10501884	0.53	0.7857
BLOCK*FERTILIZ	6	0.20030395	1.01	0.4165
MULCH*FERTILIZ	9	0.18013480	0.61	0.7937
BLOCK*MULCH*FERTILIZ	18	0.29467002	0.50	0.9607

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 202

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	46	0.74060466	0.01610010
ERROR	155	3.05994454	0.01974158
CORRECTED TOTAL	201	3.80054920	

MODEL F = 0.82 PR > F = 0.7873

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.194868	160.6954	0.14050472	0.08743541

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00771040	0.20	0.8228
MULCH	3	0.04314896	0.73	0.5398
FERTILIZ	3	0.04253310	0.72	0.5460
BLOCK*MULCH	6	0.15076438	1.27	0.2729
BLOCK*FERTILIZ	6	0.11843521	1.00	0.4275
MULCH*FERTILIZ	9	0.16386015	0.92	0.5082
BLOCK*MULCH*FERTILIZ	17	0.21415246	0.64	0.8577

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 793

EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1

THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES

FOR ALL YEARS SAMPLED

GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	0.15263209	0.00324749
ERROR	745	0.77015243	0.00103376
CORRECTED TOTAL	792	0.92278452	

MODEL F = 3.14 PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.165404	89.4195	0.03215216	0.03595654

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00431450	2.09	0.1248
MULCH	3	0.06717224	21.66	0.0001
FERTILIZ	3	0.00644642	2.08	0.1000
BLOCK*MULCH	6	0.00601580	0.97	0.4445
BLOCK*FERTILIZ	6	0.02972630	4.79	0.0001
MULCH*FERTILIZ	9	0.00845541	0.91	0.5176
BLOCK*MULCH*FERTILIZ	18	0.03050143	1.64	0.0455

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=SHRUB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 43

EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1

THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES

FOR ALL YEARS SAMPLED

GR_FRM=SHRUB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	37	0.07237815	0.00195617
ERROR	5	0.00145206	0.00029041
CORRECTED TOTAL	42	0.07383021	

MODEL F = 6.74 PR > F = 0.0207

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.980332	45.9949	0.01704149	0.03705082

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00381077	6.56	0.0400
MULCH	3	0.00438446	5.03	0.0570
FERTILIZ	3	0.01602078	18.39	0.0039
BLOCK*MULCH	6	0.00619938	3.56	0.0925
BLOCK*FERTILIZ	6	0.00639717	3.67	0.0875
MULCH*FERTILIZ	9	0.02085241	7.98	0.0171
BLOCK*MULCH*FERTILIZ	8	0.01471317	6.33	0.0287

Results of three-way ANOVA's comparing grass, forb and shrub biomass data for Experimental Revegetation Plot R-1. Analyses correspond to those summarized on Table 6-14.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE FOR BIOMASS - 1981
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 165

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - P-1
THREE-WAY ANALYSIS OF VARIANCE FOR BIOMASS - 1981
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	21316.97575758	453.55267569
ERROR	117	56589.02000000	483.66683761
CORRECTED TOTAL	164	77905.99575758	

MODEL F =	PR > F =
0.94	0.5896

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.273624	124.1023	21.99242682	17.72121212

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	170.64778917	0.18	0.8385
MULCH	3	1327.86050321	0.92	0.4378
FERTILIZ	3	1531.03914304	1.06	0.3718
BLOCK*MULCH	6	1475.35553012	0.51	0.8010
BLOCK*FERTILIZ	6	793.23516749	0.27	0.9484
MULCH*FERTILIZ	9	6901.75768148	1.59	0.1268
BLOCK*MULCH*FERTILIZ	18	9117.07994307	1.05	0.4142

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE FOR BIOMASS - 1981
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 307

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE FOR BIOMASS - 1981
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	1365.25181257	29.04791091
ERROR	259	6879.09268254	26.56020341
CORRECTED TOTAL	306	8244.34449511	

MODEL F =	1.09		PR > F = 0.3247

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.165599	191.1761	5.15365923	2.69576547

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	284.00936308	5.35	0.0053
MULCH	3	82.34126201	1.03	0.3792
FERTILIZ	3	57.78532640	0.73	0.5412
BLOCK*MULCH	6	105.18965928	0.66	0.6820
BLOCK*FERTILIZ	6	177.99813367	1.12	0.3527
MULCH*FERTILIZ	9	328.65244096	1.37	0.1989
BLOCK*MULCH*FERTILIZ	18	329.27562718	0.69	0.8215

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE FOR BIOMASS - 1981
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 191

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE FOR BIOMASS - 1981
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	121648.03095270	2588.25597772
ERROR	143	995721.60339285	6963.08813561
CORRECTED TOTAL	190	1117369.63434555	

MODEL F = 0.37 PR > F = 1.0000

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.108870	138.5565	83.44512050	60.22460733

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	727.31856809	0.05	0.9491
MULCH	3	10254.13603154	0.49	0.6932
FERTILIZ	3	10893.92479895	0.52	0.6723
BLOCK*MULCH	6	16700.94002564	0.40	0.8782
BLOCK*FERTILIZ	6	13853.54529147	0.33	0.9194
MULCH*FERTILIZ	9	28323.86369671	0.45	0.9043
BLOCK*MULCH*FERTILIZ	18	40894.30254031	0.33	0.9959

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE FOR BIOMASS - 1981
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 102

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE FOR BIOMASS - 1981
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	42	22276.69945098	530.39760598
ERROR	59	2572.93633333	43.60909040
CORRECTED TOTAL	101	24849.63578431	

MODEL F =	12.16		PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.896460	96.2119	6.60371792	6.86372549

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	207.69664695	2.38	0.1013
MULCH	3	578.58706916	4.42	0.0073
FERTILIZ	3	1045.37659898	7.99	0.0002
BLOCK*MULCH	6	1540.88036828	5.89	0.0001
BLOCK*FERTILIZ	6	2574.43680341	9.84	0.0001
MULCH*FERTILIZ	9	9126.60565663	23.25	0.0001
BLOCK*MULCH*FERTILIZ	13	7203.11630758	12.71	0.0001

Results of a one-way ANOVA comparing grass and forb biomass data between years on Experimental Revegetation Plot R-1. Analyses correspond to those summarized on Table 6-16.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	2	78 81

NUMBER OF OBSERVATIONS IN BY GROUP = 250

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	1	16237.84210560	16237.84210560
ERROR	248	77611.59825440	312.94999296
CORRECTED TOTAL	249	93849.44036000	

MODEL F =	51.89	PR > F =	0.0001

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.173020	147.0328	17.69039267	12.03160000

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	1	16237.84210560	51.89	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	2	78 81

NUMBER OF OBSERVATIONS IN BY GROUP = 362

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - S-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	1	284100.29592226	284100.29592226
ERROR	360	1117275.09305563	3103.54192515
CORRECTED TOTAL	361	1401375.38897789	

MODEL F = 91.54 PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.202730	163.9139	55.70944197	33.98701657

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	1	284100.29592226	91.54	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	2	78 81

NUMBER OF OBSERVATIONS IN BY GROUP = 389

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	1	5107.61456953	5107.61456953
ERROR	387	22698.91417083	58.65352499
CORRECTED TOTAL	388	27806.52874036	

MODEL F =	87.08		PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.183684	170.2583	7.65855894	4.49820051

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	1	5107.61456953	87.08	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	2	78 81

NUMBER OF OBSERVATIONS IN BY GROUP = 100

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	1	1065.19792210	1065.19792210
ERROR	98	23821.52447790	243.07678039
CORRECTED TOTAL	99	24886.72240000	

MODEL F = 4.38 PR > F = 0.0389

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.042802	287.4432	15.59091981	5.42400000

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	1	1065.19792210	4.38	0.0389

Results of three-way ANOVA's comparing grass and forb biomass data between years for Experimental Revegetation Plot R-1. Analyses correspond to those summarized on Table 6-19.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 250

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	10880.17664571	231.49312012
ERROR	202	82969.26371429	410.73892928
CORRECTED TOTAL	249	93849.44036000	

MODEL F = 0.56 PR > F = 0.9892

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.115932	168.4456	20.26669508	12.03160000

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	55.45842491	0.07	0.9347
MULCH	3	579.64215380	0.47	0.7072
FERTILIZ	3	814.37504494	0.66	0.5808
BLOCK*MULCH	6	1065.36185084	0.43	0.8568
BLOCK*FERTILIZ	6	429.12784683	0.17	0.9835
MULCH*FERTILIZ	9	4154.18972854	1.12	0.3472
BLOCK*MULCH*FERTILIZ	18	3782.02159586	0.51	0.9509

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 389

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - P-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	3139.92563394	66.80692838
ERROR	341	24666.60310642	72.33607949
CORRECTED TOTAL	388	27806.52874036	

MODEL F = 0.92 PR > F = 0.6186

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.112920	189.0770	8.50506199	4.49820051

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	466.93923964	3.23	0.0409
MULCH	3	37.79263404	0.17	0.9114
FERTILIZ	3	257.88181997	1.19	0.3139
BLOCK*MULCH	6	235.69643800	0.54	0.7753
BLOCK*FERTILIZ	6	542.77127077	1.25	0.2799
MULCH*FERTILIZ	9	834.28468872	1.28	0.2449
BLOCK*MULCH*FERTILIZ	18	764.55954279	0.59	0.9086

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 362

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - P-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	56413.98422862	1200.29753678
ERROR	314	1344961.40474927	4283.31657563
CORRECTED TOTAL	361	1401375.38897789	

MODEL F = 0.28 PR > F = 1.0000

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.040256	192.5649	65.44705170	33.98701657

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	97.89447844	0.01	0.9886
MULCH	3	5980.82798471	0.47	0.7106
FERTILIZ	3	4856.70856801	0.38	0.7720
BLOCK*MULCH	6	8306.06785551	0.32	0.9246
BLOCK*FERTILIZ	6	5838.36130049	0.23	0.9677
MULCH*FERTILIZ	9	10646.23004432	0.28	0.9800
BLOCK*MULCH*FERTILIZ	18	20687.89395714	0.27	0.9990

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
OR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 100

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-1
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	39	22576.18656667	578.87657863
ERROR	60	2310.53583333	38.50893056
CORRECTED TOTAL	99	24886.72240000	

MODEL F =	15.03	PR > F =	0.0001

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.907158	114.4092	6.20556643	5.42400000

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	540.34151296	7.02	0.0018
MULCH	3	857.70329216	7.42	0.0003
FERTILIZ	3	1249.58781490	10.82	0.0001
BLOCK*MULCH	6	1579.55656419	6.84	0.0001
BLOCK*FERTILIZ	6	3755.72685156	16.25	0.0001
MULCH*FERTILIZ	9	7636.61759512	22.03	0.0001
BLOCK*MULCH*FERTILIZ	10	6956.65293577	18.07	0.0001

APPENDIX 6-1.3

Plot R-2 Experimental Revegetation Data

Cover data (%) for species occurring within treatment combinations on Experimental Revegetation Plot R-2.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
1	LINUM LEWISII	3	27	3	4	9.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
2	ASTRAGALUS CICER	12	0	0	0	3.00
3	LINUM LEWISII	1	1	9	3	3.50
4	MELILOTUS OFFICINALIS	1	3	1	0	1.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
5	LINUM LEWISII	3	6	2	0	2.75
6	PENSTEMON STRICTUS	0	1	0	0	0.25
7	ASTRAGALUS CICER	0	5	12	0	4.25
8	MELILOTUS OFFICINALIS	0	0	1	1	0.50
9	PHYSARIA FLORIBUNDA	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
10	LINUM LEWISII	0	2	2	3	1.75

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
11	ASTRAGALUS CICER	2	0	0	2	1.0
12	LINUM LEWISII	4	10	1	7	5.5
13	MELILOTUS OFFICINALIS	0	0	1	1	0.5

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
14	LINUM LEWISII	1	2	2	1	1.50
15	ASTRAGALUS CICER	12	0	0	0	3.00
16	MELILOTUS OFFICINALIS	1	0	0	0	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
17	ASTRAGALUS CICER	33	11	11	0	13.75
18	LINUM LEWISII	4	7	1	4	4.00
19	MELILOTUS OFFICINALIS	0	1	1	4	1.50
20	HEDYSARUM UTAHENSIS	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
21	HEDYSARUM UTAHENSIS	0	7	4	0	2.75
22	LINUM LEWISII	0	0	1	5	1.50
23	ASTRAGALUS CICER	0	0	0	3	0.75

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
24	LINUM LEWISII	7	0	4	3	3.5
25	ASTRAGALUS CICER	2	2	2	2	2.0

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
26	LINUM LEWISII	6	4	3	3	4.00
27	MELILOTUS OFFICINALIS	1	0	0	0	0.25
28	ASTRAGALUS CICER	0	0	8	0	2.00
29	MELILOTUS OFFICINALIS	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
30	LINUM LEWISII	1	11	2	2	4
31	ASTRAGALUS CICER	0	2	0	2	1

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
32	LINUM LEWISII	11	6	13	1	7.75
33	ASTRAGALUS CICER	0	13	11	28	13.00

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
34	LINUM LEWISII	11	4	1	5	5.25
35	ASTRAGALUS CICER	0	0	16	0	4.00

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
36	ASTRAGALUS CICER	8	17	3	0	7.00
37	LINUM LEWISII	5	5	10	3	5.75
38	CHAENACTIS DOUGLASII	1	1	1	0	0.75

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
39	ASTRAGALUS CICER	27	0	0	0	6.75
40	MELILOTUS OFFICINALIS	1	0	0	0	0.25

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
41	HEDYSARUM UTAHENSIS	1	1	.	0	0.50
42	LINUM LEWISII	1	6	7	0	3.50
43	ASTRAGALUS CICER	0	9	1	0	2.50
44	MELILOTUS OFFICINALIS	0	0	0	1	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
45	SENECIO MULTILOBATUS	0	1	0	0	0.25
46	PHLOX HOODII	0	0	1	0	0.25
47	PHYSARIA FLORIBUNDA	0	0	1	0	0.25
48	UNKNOWN FORBS	0	0	1	1	0.50
49	CHAENACTIS DOUGLASII	0	0	1	1	0.50
50	CRUCIFER SPECIES	0	0	1	1	0.50

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
51	CRYPTANTHA SERICEA	1	1	3	1	1.50
52	IPOMOPSIS AGGREGATA	1	0	0	0	0.25
53	ASTRAGALUS DIVERSIFOLIUS	1	0	0	0	0.25
54	CHAENACTIS DOUGLASII	1	1	1	0	0.75
55	UNKNOWN FORBS	0	1	0	1	0.50
56	CRUCIFER SPECIES	0	0	0	2	0.50

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
57	CRYPTANTHA SERICEA	11	1	3	0	3.75
58	CRUCIFER SPECIES	1	0	0	0	0.25
59	UNKNOWN FORBS	1	1	0	1	0.75
60	IPOMOPSIS AGGREGATA	0	1	0	1	0.50
61	CHAENACTIS DOUGLASII	0	0	1	1	0.50

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
62	SALSOLA KALI	1	1	0	0	0.5
63	CHAENACTIS DOUGLASII	1	1	0	0	0.5
64	CRYPTANTHA SERICEA	1	1	3	1	1.5

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
65	IPOMOPSIS AGGREGATA	1	1	0	1	0.75
66	CRYPTANTHA SERICEA	1	5	1	0	1.75
67	CHAENACTIS DOUGLASII	0	1	3	2	1.50
68	SENECIO MULTILOBATUS	0	0	0	1	0.25

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
69	CRYPTANTHA SERICEA	1	1	3	2	1.75
70	UNKNOWN FORBS	1	0	6	0	1.75
71	CHAENACTIS DOUGLASII	1	0	0	2	0.75

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
72	CRUCIFER SPECIES	1	1	0	0	0.50
73	CRYPTANTHA SERICEA	1	1	2	2	1.50
74	SENECIO MULTILOBATUS	1	0	1	0	0.50
75	IPOMOPSIS AGGREGATA	0	1	0	2	0.75
76	CHAENACTIS DOUGLASII	0	0	0	1	0.25
77	UNKNOWN FORBS	0	1	6	2	2.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
78	CRYPTANTHA SERICEA	2	0	0	1	0.75
79	CHAENACTIS DOUGLASII	1	1	1	1	1.00
80	IPOMOPSIS AGGREGATA	0	1	1	1	0.75
81	UNKNOWN FORBS	0	0	1	1	0.50
82	SALSOLA KALI	0	0	1	0	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
83	CRYPTANTHA SERICEA	3	0	0	0	0.75
84	IPOMOPSIS AGGREGATA	3	0	0	1	1.00
85	CHAENACTIS DOUGLASII	1	0	0	1	0.50
86	UNKNOWN FORBS	0	1	2	1	1.00
87	SENECIO MULTILOBATUS	0	1	1	0	0.50
88	CRYPTANTHA SERICEA	0	1	1	0	0.50
89	HAPLOPPAPPUS NUTTALLII	0	0	1	0	0.25
90	ASTRAGALUS DIVERSIFOLIUS	0	0	1	0	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
91	CRYPTANTHA SERICEA	3	1	1	3	2.00
92	UNKNOWN FORBS	1	9	1	4	3.75
93	CHAENACTIS DOUGLASII	1	1	4	2	2.00
94	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
95	SENECIO MULTILOBATUS	1	0	1	1	0.75
96	SALSOLA KALI	0	1	0	0	0.25
97	IPOMOPSIS AGGREGATA	0	0	0	1	0.25
98	CRUCIFER SPECIES	0	0	0	1	0.25

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EXPERIMENTAL REVEGETATION STUDIES PROGRAM

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
99	SENECIO MULTILOBATUS	1	0	0	0	0.25
100	CRYPTANTHA SERICEA	1	0	0	0	0.25
101	UNKNOWN FORBS	1	1	2	1	1.25
102	CHAENACTIS DOUGLASII	1	0	2	1	1.00
103	CRUCIFER SPECIES	0	0	2	0	0.50

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
104	UNKNOWN FORBS	1	1	1	2	1.25
105	CRYPTANTHA SERICEA	2	1	1	3	1.75
106	CHAENACTIS DOUGLASII	0	1	1	0	0.50
107	CRUCIFER SPECIES	0	1	0	0	0.25
108	SENECIO MULTILOBATUS	0	0	1	1	0.50

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
109	SENECIO MULTILOBATUS	1	0	0	0	0.25
110	UNKNOWN FORBS	1	2	1	1	1.25
111	CHAENACTIS DOUGLASII	1	1	2	0	1.00
112	CRYPTANTHA SERICEA	1	1	0	1	0.75
113	ASTRAGALUS DIVERSIFOLIUS	0	0	0	2	0.50

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
114	SENECIO MULTILOBATUS	1	0	1	1	0.75
115	CRYPTANTHA SERICEA	1	1	0	0	0.50
116	PHLOX HOODII	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
117	CRYPTANTHA SERICEA	2	0	1	2	1.25
118	UNKNOWN FORBS	1	2	1	1	1.25
119	SENECIO MULTILOBATUS	1	1	1	0	0.75
120	CHAENACTIS DOUGLASII	1	1	1	0	0.75
121	SALSOLA KALI	1	0	0	0	0.25
122	IPOMOPSIS AGGREGATA	0	1	0	0	0.25
123	LINUM LEWISII	0	1	1	2	1.00
124	PHLOX HOODII	0	0	1	0	0.25

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
125	UNKNOWN FORBS	5	1	1	1	2.00
126	CHAENACTIS DOUGLASII	1	0	1	1	0.75
127	IPOMOPSIS AGGREGATA	1	0	0	0	0.25
128	SALSOLA KALI	0	0	0	1	0.25
129	SENECIO MULTILOBATUS	0	0	2	0	0.50
130	CRUCIFER SPECIES	0	0	7	0	1.75
131	CRYPTANTHA SERICEA	0	0	1	0	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
132	ORYZOPSIS HYMENOIDES	3	1	3	1	2.00
133	AGROPYRON SPECIES	3	4	2	1	2.50
134	STIPA VIRIDULA	2	0	0	0	0.50
135	AGROPYRON TRICHOPHORUM	1	0	0	0	0.25
136	ELYMUS CINEREUS	0	0	3	0	0.75

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
137	AGROPYRON SPECIES	9	2	10	4	6.25
138	ORYZOPSIS HYMENOIDES	5	2	1	13	5.25
139	AGROPYRON SPECIES	0	0	0	3	0.75

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
140	ORYZOPSIS HYMENOIDES	1	12	1	16	7.50
141	AGROPYRON SMITHII	1	0	0	0	0.25
142	AGROPYRON SPECIES	2	3	4	4	3.25
143	ELYMUS CINEREUS	0	0	0	2	0.50

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
144	AGROPYRON SPECIES	9	11	2	4	6.50
145	ORYZOPSIS HYMENOIDES	1	0	0	0	0.25
146	AGROPYRON SMITHII	0	3	1	4	2.00
147	AGROPYRON TRICHOPHORUM	0	1	0	11	3.00
148	ORYZOPSIS HYMENOIDES	0	0	4	0	1.00
149	STIPA VIRIDULA	0	0	0	1	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
150	STIPA VIRIDULA	2	4	2	0	2.0
151	AGROPYRON SPECIES	4	1	4	9	4.5
152	ORYZOPSIS HYMENOIDES	0	0	2	0	0.5
153	AGROPYRON SPECIES	0	0	0	2	0.5

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
154	AGROPYRON TRICHOPHORUM	5	0	0	0	1.25
155	STIPA VIRIDULA	1	1	0	0	0.50
156	AGROPYRON SPECIES	3	12	4	1	5.00
157	ELYMUS CINEREUS	0	1	0	0	0.25
158	ORYZOPSIS HYMENOIDES	0	1	1	3	1.25
159	AGROPYRON SMITHII	0	1	0	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
160	AGROPYRON TRICHOPHORUM	5	0	0	1	1.50
161	AGROPYRON SPECIES	8	10	5	6	7.25
162	ORYZOPSIS HYMENOIDES	1	0	1	0	0.50
163	ELYMUS CINEREUS	0	1	0	1	0.50
164	STIPA VIRIDULA	0	1	0	1	0.50
165	BROMUS INERME	0	0	4	0	1.00
166	AGROPYRON SPECIES	0	0	1	2	0.75

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
167	AGROPYRON SPECIES	3	6	11	1	5.25
168	ORYZOPSIS HYMENOIDES	1	0	0	5	1.50
169	ELYMUS CINEREUS	0	2	1	2	1.25
170	AGROPYRON TRICHOPHORUM	0	2	7	2	2.75
171	STIPA VIRIDULA	0	2	2	1	1.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
172	AGROPYRON SPECIES	9	9	5	8	7.75
173	ORYZOPSIS HYMENOIDES	1	4	8	0	3.25
174	AGROPYRON TRICHOPHORUM	0	4	0	0	1.00
175	AGROPYRON SMITHII	0	1	0	0	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
176	ORYZOPSIS HYMENOIDES	9	1	3	4	4.25
177	AGROPYRON SPECIES	2	1	3	0	1.50
178	AGROPYRON TRICHOPHORUM	0	0	4	0	1.00
179	AGROPYRON SPECIES	0	0	1	0	0.25
180	SITANION HYSTRIX	0	0	0	2	0.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
181	ORYZOPSIS HYMENOIDES	11	0	11	14	9.00
182	AGROPYRON SPECIES	2	12	4	7	6.25
183	AGROPYRON TRICHOPHORUM	0	0	1	0	0.25
184	AGROPYRON SPECIES	0	0	1	4	1.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
185	AGROPYRON SPECIES	7	11	1	6	6.25
186	STIPA VIRIDULA	0	2	1	1	1.00
187	ORYZOPSIS HYMENOIDES	0	1	6	6	3.25
188	AGROPYRON TRICHOPHORUM	0	1	0	1	0.50

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
189	STIPA VIRIDULA	2	0	0	7	2.25
190	ORYZOPSIS HYMENOIDES	3	9	0	15	6.75
191	AGROPYRON SPECIES	2	0	7	4	3.25
192	AGROPYRON TRICHOPHORUM	0	0	0	1	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
193	ORYZOPSIS HYMENOIDES	4	6	3	0	3.25
194	AGROPYRON SPECIES	5	9	5	2	5.25
195	AGROPYRON SPECIES	3	0	0	0	0.75
196	AGROPYRON TRICHOPHORUM	3	1	2	0	1.50
197	STIPA VIRIDULA	2	3	0	0	1.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
198	STIPA VIRIDULA	4	0	0	0	1.00
199	AGROPYRON SPECIES	4	3	1	3	2.75
200	AGROPYRON TRICHOPHORUM	0	6	0	0	1.50

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
201	AGROPYRON SPECIES	7	6	2	8	5.75
202	STIPA VIRIDULA	2	1	1	0	1.00
203	AGROPYRON TRICHOPHORUM	0	2	0	0	0.50
204	ELYMUS CINEREUS	0	0	0	5	1.25
205	ORYZOPSIS HYMENOIDES	0	0	2	1	0.75

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
206	FESSPP	4	0	0	3	1.75
207	STIPA COMATA	1	0	0	0	0.25
208	SITANION HYSTRIX	0	0	0	1	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
209	STIPA VIRIDULA	1	.	2	0	0.75
210	BROMUS TECTORUM	0	1	0	0	0.25
211	STIPA COMATA	0	0	0	2	0.50

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
212	STIPA VIRIDULA	1	0	1	0	0.50
213	STIPA COMATA	0	0	0	3	0.75

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
214	AGROPYRON CRISTATUM	0	1	0	0	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
215	AGROPYRON CRISTATUM	0	0	4	0	1

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
216	STIPA COMATA	0	0	0	1	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
217	AGROPYRON CRISTATUM	0	1	0	1	0.50
218	POA SPECIES	0	0	1	0	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
219	STIPA COMATA	6	0	3	3	3.00
220	AGROPYRON CRISTATUM	0	4	1	0	1.25
221	SITANION HYSTRIX	0	0	0	1	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
222	STIPA COMATA	1	3	0	7	2.75
223	STIPA VIRIDULA	0	0	1	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
224	STIPA COMATA	3	1	5	2	2.75
225	BROMUS TECTORUM	1	0	0	0	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
226	STIPA COMATA	1	0	2	1	1.00
227	SITANION HYSTRIX	0	0	1	0	0.25
228	AGROPYRON CRISTATUM	0	0	0	1	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
229	AGROPYRON CRISTATUM	2	0	0	0	0.50
230	SITANION HYSTRIX	1	0	0	0	0.25
231	STIPA COMATA	0	0	3	0	0.75

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
232	SITANION HYSTRIX	1	1	0	0	0.50
233	STIPA COMATA	2	1	0	0	0.75
234	AGROPYRON CRISTATUM	0	1	0	0	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
235	ORYZOPSIS HYMENOIDES	6	1	11	6	6
236	STIPA COMATA	1	0	0	2	3

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
237	STIPA COMATA	2	0	1	1	1.00
238	AGROPYRON CRISTATUM	0	0	0	1	0.25
239	SITANION HYSTRIX	0	0	0	1	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
240	CHRYSOTHAMNUS NAUSEOSUS	1	1	0	1	0.75
241	PURSHIA TRIDENTATA	0	0	0	6	1.50

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
242	CHRYSOTHAMNUS NAUSEOSUS	1	2	1	0	1.00
243	CHRYSOTHAMNUS VISIDIFLORUS	0	1	0	0	0.25
244	CERATOIDES LANATA	0	1	0	0	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
245	CHRYSOTHAMNUS NAUSEOSUS	7	0	6	12	6.25
246	CERATOIDES LANATA	1	1	0	0	0.50
247	PURSHIA TRIDENTATA	0	1	0	0	0.25
248	CHRYSOTHAMNUS VISIDIFLORUS	0	1	4	0	1.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
249	CHRYSOTHAMNUS VISIDIFLORUS	6	0	0	0	1.50
250	CHRYSOTHAMNUS NAUSEOSUS	5	1	2	0	2.00
251	CERATOIDES LANATA	0	0	1	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
252	CHRYSOTHAMNUS NAUSEOSUS	22	.1	4	11	9.50
253	CHRYSOTHAMNUS VISIDIFLORUS	16	0	1	0	4.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
254	CHRYSOTHAMNUS NAUSEOSUS	1	9	1	1	3.00
255	CHRYSOTHAMNUS VISIDIFLORUS	1	0	1	26	7.00
256	PURSHIA TRIDENTATA	0	1	0	0	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
257	CHRYSOTHAMNUS VISIDIFLORUS	34	34	1	0	17.25
258	CERATOIDES LANATA	0	1	0	0	0.25
259	PURSHIA TRIDENTATA	0	1	0	0	0.25
260	CHRYSOTHAMNUS NAUSEOSUS	0	0	3	5	2.00

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
261	CHRYSOTHAMNUS NAUSEOSUS	0	25	0	0	6.25
262	CERATOIDES LANATA	0	1	0	0	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
263	CHRYSOTHAMNUS NAUSEOSUS	13	0	1	9	5.75
264	CHRYSOTHAMNUS VISIDIFLORUS	1	0	0	1	0.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
265	ARTEMISIA TRIDENTATA	1	.	.	.	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
266	CHRYSOTHAMNUS NAUSEOSUS	13	8	2	0	5.75
267	CHRYSOTHAMNUS VISIDIFLORUS	0	0	2	1	0.75

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
268	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	0	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
269	CHRYSOTHAMNUS NAUSEOSUS	2	1	0	1	1.00
270	CHRYSOTHAMNUS VISIDIFLORUS	1	0	0	0	0.25

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
271	CHRYSOTHAMNUS VISIDIFLORUS	1	1	0	0	0.50
272	CHRYSOTHAMNUS NAUSEOSUS	2	1	0	0	0.75

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
273	CHRYSOTHAMNUS NAUSEOSUS	2	1	1	0	1
274	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	16	4

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
275	CHRYSOTHAMNUS NAUSEOSUS	1	.7	1	2	2.75

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
276	GUTIERREZIA SAROTHRAE	0	1	0	1	0.5

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
277	GUTIERREZIA SAROTHRAE	1	3	2	0	1.5

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
278	GUTIERREZIA SAROTHRAE	0	4	0	8	3

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
279	GUTIERREZIA SAROTHRAE	3	1	0	0	1

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
280	GUTIERREZIA SAROTHRAE	7	0	0	0	1.75

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
281	LINUM LEWISII	2	.4	0	1	1.75
282	ASTRAGALUS CICER	0	11	0	0	2.75
283	HEDYSARUM UTAHENSIS	0	4	0	0	1.00
284	MELILOTUS OFFICINALIS	0	1	0	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
285	LINUM LEWISII	4	2	2	2	2.5
286	ASTRAGALUS CICER	0	0	16	0	4.0

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
287	LINUM LEWISII	9	11	1	4	6.25
288	MELILOTUS OFFICINALIS	1	0	0	0	0.25
289	ASTRAGALUS CICER	0	8	0	0	2.00

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
290	ASTRAGALUS CICER	11	0	0	0	2.75
291	HEDYSARUM UTAHENSIS	1	0	0	0	0.25
292	LINUM LEWISII	1	1	6	1	2.25
293	MELILOTUS OFFICINALIS	0	0	0	1	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
294	ASTRAGALUS CICER	11	0	0	0	2.75
295	LINUM LEWISII	2	1	1	1	1.25
296	MELILOTUS OFFICINALIS	1	0	0	0	0.25
297	HEDYSARUM UTAHENSIS	0	0	0	8	2.00

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
298	LINUM LEWISII	1	3	1	1	1.5
299	ASTRAGALUS CICER	0	18	0	0	4.5

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
300	ASTRAGALUS CICER	9	0	1	3	3.25
301	LINUM LEWISII	3	6	3	0	3.00
302	MELILOTUS OFFICINALIS	1	0	0	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
303	LINUM LEWISII	1	6	2	1	2.50
304	ASTRAGALUS CICER	0	6	16	10	8.00
305	MELILOTUS OFFICINALIS	0	1	0	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
306	ASTRAGALUS CICER	14	0	1	18	8.25
307	HEDYSARUM UTAHENSIS	5	0	0	0	1.25
308	LINUM LEWISII	1	2	6	2	2.75

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
309	ASTRAGALUS CICER	14	19	13	0	11.5
310	LINUM LEWISII	3	1	2	2	2.0

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
311	ASTRAGALUS CICER	1	2	0	13	4.0
312	LINUM LEWISII	3	2	14	1	5.0
313	HEDYSARUM UTAHENSIS	0	2	0	0	0.5

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
314	LINUM LEWISII	6	1	2	2	2.75
315	MELILOTUS OFFICINALIS	0	0	1	0	0.25
316	ASTRAGALUS CICER	0	0	0	14	3.50

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
317	LINUM LEWISII	11	3	0	0	3.50
318	ASTRAGALUS CICER	1	0	9	14	6.00
319	MELILOTUS OFFICINALIS	0	0	1	0	0.25
320	HEDYSARUM UTAHENSIS	0	0	0	2	0.50

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
321	LINUM LEWISII	1	1	0	6	2

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
322	LINUM LEWISII	1	4	0	0	1.25
323	ASTRAGALUS CICER	0	30	0	0	7.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
324	ASTRAGALUS CICER	1	0	0	2	0.75
325	LINUM LEWISII	2	3	4	1	2.50

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
326	UNKNOWN FORBS	10	0	0	1	2.75
327	ASTRAGALUS DIVERSIFOLIUS	0	1	0	0	0.25
328	CRYPTANTHA SERICEA	0	1	0	2	0.75
329	CHAENACTIS DOUGLASII	0	0	1	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
330	CRYPTANTHA SERICEA	2	0	1	3	1.50
331	UNKNOWN FORBS	0	5	1	1	1.75
332	MELILOTUS OFFICINALIS	0	0	1	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
333	SENECIO MULTILOBATUS	1	0	0	3	1.00
334	UNKNOWN FORBS	1	0	6	1	2.00
335	CHAENACTIS DOUGLASII	0	0	0	1	0.25
336	CRYPTANTHA SERICEA	0	0	0	1	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
337	UNKNOWN FORBS	0	3	0	1	1.00
338	SENECIO MULTILOBATUS	0	0	0	1	0.25
339	CRYPTANTHA SERICEA	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
340	CRYPTANTHA SERICEA	1	0	0	0	0.25
341	UNKNOWN FORBS	1	0	1	1	0.75
342	CHAENACTIS DOUGLASII	1	0	0	0	0.25
343	ASTRAGALUS DIVERSIFOLIUS	0	1	0	0	0.25
344	PHYSARIA FLORIBUNDA	0	0	1	1	0.50
345	SENECIO MULTILOBATUS	0	0	0	1	0.25

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
346	CHAENACTIS DOUGLASII	1	2	1	1	1.25
347	SALSOLA KALI	1	1	1	0	0.75
348	CRYPTANTHA SERICEA	1	3	0	1	1.25
349	UNKNOWN FORBS	1	2	0	0	0.75

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
350	UNKNOWN FORBS	0	2	6	1	2.25
351	SALSOLA KALI	0	1	0	0	0.25
352	CHAENACTIS DOUGLASII	0	0	3	0	0.75
353	PHYSARIA FLORIBUNDA	0	0	0	1	0.25

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
354	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
355	UNKNOWN FORBS	5	1	0	1	1.75
356	CHAENACTIS DOUGLASII	1	1	0	0	0.50
357	CRYPTANTHA SERICEA	1	1	0	0	0.50
358	CRUCIFER SPECIES	0	1	0	1	0.50
359	SENECIO MULTILOBATUS	0	1	0	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
360	CRYPTANTHA SERICEA	1	0	0	0	0.25
361	CRUCIFER SPECIES	1	0	0	0	0.25
362	CHAENACTIS DOUGLASII	0	0	3	0	0.75
363	UNKNOWN FORBS	0	0	0	2	0.50
364	SENECIO MULTILOBATUS	0	0	0	1	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
365	UNKNOWN FORBS	1	0	1	1	0.75
366	SALSOLA KALI	1	0	0	0	0.25
367	CRYPTANTHA SERICEA	0	0	1	0	0.25
368	CHAENACTIS DOUGLASII	0	0	1	0	0.25
369	SENECIO MULTILOBATUS	0	0	1	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
370	CRYPTANTHA SERICEA	1	2	1	0	1.00
371	UNKNOWN FORBS	1	0	2	0	0.75
372	SENECIO MULTILOBATUS	0	1	0	0	0.25
373	PHYSARIA FLORIBUNDA	0	0	1	1	0.50
374	SALSOLA KALI	0	0	1	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
375	UNKNOWN FORBS	2	0	3	0	1.25
376	CRYPTANTHA SERICEA	1	1	1	0	0.75
377	SENECIO MULTILOBATUS	0	1	1	0	0.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
378	UNKNOWN FORBS	1	0	2	0	0.75
379	SALSOLA KALI	0	1	0	0	0.25
380	CRYPTANTHA SERICEA	0	0	2	0	0.50
381	SENECIO MULTILOBATUS	0	0	1	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
382	SENECIO MULTILOBATUS	1	0	0	0	0.25
383	CRYPTANTHA SERICEA	2	0	0	1	0.75
384	IPOMOPSIS AGGREGATA	1	0	0	0	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
385	UNKNOWN FORBS	1	1	0	0	0.50
386	CRYPTANTHA SERICEA	0	1	0	0	0.25
387	SALSOLA KALI	0	1	0	0	0.25
388	SENECIO MULTILOBATUS	0	0	0	1	0.25

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
389	CRYPTANTHA SERICEA	3	0	0	0	0.75
390	SALSOLA KALI	1	0	0	0	0.25
391	UNKNOWN FORBS	1	0	0	2	0.75
392	SENECIO MULTILOBATUS	0	0	1	0	0.25
393	CHAENACTIS DOUGLASII	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
394	ORYZOPSIS HYMENOIDES	8	1	7	1	4.25
395	AGROPYRON TRICHOPHORUM	1	0	0	1	0.50
396	ELYMUS CINEREUS	0	2	0	0	0.50
397	STIPA VIRIDULA	0	1	8	0	2.25
398	AGROPYRON SPECIES	0	9	0	8	4.25
399	AGROPYRON SPECIES	0	1	0	0	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
400	ORYZOPSIS HYMENOIDES	3	7	0	1	2.75
401	AGROPYRON SPECIES	7	1	5	17	7.50
402	AGROPYRON TRICHOPHORUM	3	0	6	0	2.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
403	ORYZOPSIS HYMENOIDES	3	1	3	1	2.0
404	AGROPYRON SPECIES	6	2	6	14	7.0
405	STIPA VIRIDULA	0	6	0	0	1.5
406	AGROPYRON SPECIES	0	2	0	0	0.5

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
407	STIPA VIRIDULA	2	0	0	2	1.00
408	AGROPYRON SPECIES	10	2	2	8	5.50
409	ORYZOPSIS HYMENOIDES	1	13	6	11	7.75
410	AGROPYRON TRICHOPHORUM	0	0	1	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
411	ORYZOPSIS HYMENOIDES	2	0	11	0	3.25
412	AGROPYRON SPECIES	14	11	1	8	8.50
413	AGROPYRON SPECIES	1	0	0	0	0.25
414	STIPA VIRIDULA	0	0	4	0	1.00
415	AGROPYRON TRICHOPHORUM	0	0	0	4	1.00

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
416	ORYZOPSIS HYMENOIDES	13	2	4	1	5.00
417	STIPA COMATA	2	0	0	0	0.50
418	AGROPYRON SPECIES	1	6	0	13	5.00
419	AGROPYRON TRICHOPHORUM	0	0	0	1	0.25
420	STIPA VIRIDULA	0	0	0	1	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
421	AGROPYRON TRICHOPHORUM	3	0	3	0	1.50
422	AGROPYRON SPECIES	7	2	10	11	7.50
423	ORYZOPSIS HYMENOIDES	2	2	1	1	1.50
424	ELYMUS CINEREUS	0	0	1	0	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
425	ORYZOPSIS HYMENOIDES	1	1	4	6	3.00
426	AGROPYRON SPECIES	1	0	1	0	0.50
427	ELYMUS CINEREUS	1	0	0	0	0.25
428	AGROPYRON SPECIES	3	11	5	7	6.50
429	AGROPYRON CRISTATUM	0	6	0	0	1.50
430	AGROPYRON TRICHOPHORUM	0	0	2	1	0.75
431	STIPA VIRIDULA	0	0	3	0	0.75

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
432	STIPA VIRIDULA	2	0	1	1	1.00
433	AGROPYRON TRICHOPHORUM	3	0	0	1	1.00
434	AGROPYRON SPECIES	11	4	4	6	6.25
435	ORYZOPSIS HYMENOIDES	0	20	4	2	6.50
436	AGROPYRON CRISTATUM	0	0	0	3	0.75

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
437	AGROPYRON SPECIES	6	13	3	7	7.25
438	ORYZOPSIS HYMENOIDES	1	3	20	0	6.00
439	AGROPYRON TRICHOPHORUM	0	1	0	1	0.50
440	STIPA VIRIDULA	0	2	0	0	0.50

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
441	STIPA VIRIDULA	3	1	0	4	2.00
442	AGROPYRON SPECIES	3	3	2	5	3.25
443	ELYMUS CINEREUS	0	1	0	0	0.25
444	AGROPYRON TRICHOPHORUM	0	8	0	4	3.00
445	ORYZOPSIS HYMENOIDES	0	1	2	0	0.75

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
446	AGROPYRON SPECIES	1	9	3	11	6.00
447	ORYZOPSIS HYMENOIDES	1	2	11	0	3.50
448	AGROPYRON TRICHOPHORUM	0	1	0	2	0.75
449	STIPA VIRIDULA	0	2	0	2	1.00

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
450	ORYZOPSIS HYMENOIDES	2	1	10	1	3.50
451	AGROPYRON SPECIES	2	7	9	12	7.50
452	AGROPYRON SPECIES	1	0	0	0	0.25
453	ELYMUS CINEREUS	0	0	1	0	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
454	ORYZOPSIS HYMENOIDES	7	3	1	3	3.50
455	AGROPYRON SPECIES	13	5	23	9	12.50
456	AGROPYRON TRICHOPHORUM	0	0	0	4	1.00
457	STIPA VIRIDULA	0	0	0	1	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
458	AGROPYRON TRICHOPHORUM	5	0	4	0	2.25
459	ORYZOPSIS HYMENOIDES	2	1	0	5	2.00
460	AGROPYRON SPECIES	3	1	8	11	5.75
461	STIPA VIRIDULA	0	0	0	2	0.50

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
462	ELYMUS CINEREUS	1	0	0	0	0.25
463	ORYZOPSIS HYMENOIDES	1	9	2	3	3.75
464	AGROPYRON SPECIES	6	6	9	6	6.75
465	STIPA VIRIDULA	1	0	0	0	0.25
466	AGROPYRON TRICHOPHORUM	0	0	2	4	1.50

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
467	POA SPECIES	0	1	0	0	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
468	POA SPECIES	0	0	0	2	0.5

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
469	SITANION HYSTRIX	0	0	1	0	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
470	AGROPYRON CRISTATUM	1	0	0	0	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
471	POA SPECIES	0	0	2	0	0.5

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
472	AGROPYRON CRISTATUM	0	1	0	1	0.5
473	SITANION HYSTRIX	0	0	2	0	0.5

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
474	STIPA VIRIDULA	1	0	2	0	0.75

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
475	POA SPECIES	2	0	0	0	0.5

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
476	POA SPECIES	1	0	0	0	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
477	POA SPECIES	1	1	0	3	1.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
478	STIPA COMATA	1	0	0	0	0.25
479	POA SPECIES	0	1	0	2	0.75

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
480	SITANION HYSTRIX	3	0	0	0	0.75
481	STIPA COMATA	1	0	0	0	0.25
482	SALSOLA KALI	1	0	0	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
483	SITANION HYSTRIX	2	0	0	0	0.50
484	AGROPYRON CRISTATUM	1	0	0	0	0.25
485	BROMUS TECTORUM	0	0	1	0	0.25
486	AGROPYRON SPECIES	0	0	0	6	1.50

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
487	STIPA COMATA	0	2	0	0	0.50
488	SITANION HYSTRIX	0	0	1	0	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
489	SITANION HYSTRIX	1	4	0	1	1.50
490	STIPA COMATA	0	0	0	1	0.25

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
491	POA SPECIES	4	2	1	0	1.75
492	AGROPYRON CRISTATUM	0	2	1	4	1.75
493	SITANION HYSTRIX	0	0	0	2	0.50

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
494	CHRYSOTHAMNUS NAUSEOSUS	0	5	0	0	1.25
495	CERATOIDES LANATA	0	1	0	0	0.25
496	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	14	3.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
497	CERATOIDES LANATA	1	.1	1	0	0.75
498	CHRYSOTHAMNUS NAUSEOSUS	6	11	3	1	5.25
499	PURSHIA TRIDENTATA	0	0	0	3	0.75

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
500	CHRYSOTHAMNUS NAUSEOSUS	19	0	1	2	5.5
501	PURSHIA TRIDENTATA	2	0	0	0	0.5

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
502	CHRYSOTHAMNUS VISIDIFLORUS	0	2	0	0	0.5
503	CHRYSOTHAMNUS NAUSEOSUS	0	11	3	0	3.5

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
504	PURSHIA TRIDENTATA	2	0	0	0	0.50
505	CHRYSOTHAMNUS NAUSEOSUS	0	0	2	1	0.75
506	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	4	1.00

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
507	CHRYSOTHAMNUS NAUSEOSUS	4	0	7	2	3.25
508	CERATOIDES LANATA	1	0	1	0	0.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
509	CHRYSOTHAMNUS NAUSEOSUS	1	.1	4	0	1.50
510	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	1	0.25

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
511	CHRYSOTHAMNUS NAUSEOSUS	0	4	4	11	4.75

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
512	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	18	4.5

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
513	CHRYSOTHAMNUS NAUSEOSUS	1	0	8	7	4.0
514	PURSHIA TRIDENTATA	0	2	0	0	0.5

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
515	CHRYSOTHAMNUS NAUSEOSUS	2	2	2	23	7.25
516	PURSHIA TRIDENTATA	0	1	0	0	0.25
517	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	1	0.25

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
518	CHRYSOTHAMNUS NAUSEOSUS	8	0	6	12	6.50
519	ARTEMISIA TRIDENTATA	0	1	0	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
520	CHRYSOTHAMNUS VISIDIFLORUS	0	.0	1	0	0.25

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
521	PURSHIA TRIDENTATA	0	0	8	4	3.00
522	CHRYSOTHAMNUS NAUSEOSUS	0	0	1	0	0.25

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
523	CHRYSOTHAMNUS NAUSEOSUS	0	2	2	1	1.25
524	CERATOIDES LANATA	0	0	1	0	0.25

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
525	CHRYSOTHAMNUS VISIDIFLORUS	17	0	1	0	4.50
526	CHRYSOTHAMNUS NAUSEOSUS	0	4	0	3	1.75

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
527	CHRYSOTHAMNUS NAUSEOSUS	0	7	2	0	2.25
528	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	9	2.25

---------- BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
529	GUTIERREZIA SAROTHRAE	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
530	GUTIERREZIA SAROTHRAE	0	2.	1	0	0.75

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
531	GUTIERREZIA SAROTHRAE	0	0	1	0	0.25

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
532	GUTIERREZIA SAROTHRAE	0	0	0	3	0.75

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
533	GUTIERREZIA SAROTHRAE	1	0	0	3	1

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
534	GUTIERREZIA SAROTHRAE	0	0	1	3	1

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
535	GUTIERREZIA SAROTHRAE	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
536	ASTRAGALUS CICER	11	3.	31	5	12.50
537	LINUM LEWISII	6	4	1	2	3.25
538	MELILOTUS OFFICINALIS	1	0	0	0	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
539	LINUM LEWISII	1	2	1	1	1.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
540	MELILOTUS OFFICINALIS	0	1	0	0	0.25
541	LINUM LEWISII	0	1	3	1	1.25
542	ASTRAGALUS CICER	0	0	17	0	4.25
543	HEDYSARUM UTAHENSIS	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
544	LINUM LEWISII	1	2	1	1	1.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
545	LINUM LEWISII	1	2	0	0	0.75
546	ASTRAGALUS CICER	1	0	0	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
547	LINUM LEWISII	1	7	1	3	3.00
548	MELILOTUS OFFICINALIS	0	1	0	0	0.25
549	ASTRAGALUS CICER	0	0	0	21	5.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
550	ASTRAGALUS CICER	4	0	0	0	1
551	LINUM LEWISII	1	2	1	0	1

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
552	ASTRAGALUS CICER	1	0	0	0	0.25
553	LINUM LEWISII	0	1	2	1	1.00
554	MELILOTUS OFFICINALIS	0	1	0	1	0.50

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
555	ASTRAGALUS CICER	10	7	0	0	4.25
556	LINUM LEWISII	2	1	2	1	1.50
557	HEDYSARUM UTAHENSIS	0	6	0	1	1.75
558	MELILOTUS OFFICINALIS	0	1	0	0	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
559	LINUM LEWISII	2	3	1	2	2.00
560	ASTRAGALUS CICER	0	17	14	0	7.75
561	HEDYSARUM UTAHENSIS	0	2	0	3	1.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
562	ASTRAGALUS CICER	6	2	0	0	2
563	LINUM LEWISII	2	0	1	1	1

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
564	MELILOTUS OFFICINALIS	1	0	0	0	0.25
565	LINUM LEWISII	1	1	2	1	1.25
566	ASTRAGALUS CICER	0	3	0	0	0.75

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
567	LINUM LEWISII	1	0	2	1	1

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
568	ASTRAGALUS CICER	21	0	9	6	9.00
569	LINUM LEWISII	2	3	2	6	3.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
570	LINUM LEWISII	1	3	8	3	3.75
571	ASTRAGALUS CICER	0	4	13	0	4.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
572	LINUM LEWISII	2	6	2	4	3.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
573	ASTRAGALUS CICER	1	1	3	22	6.75

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
574	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
575	CHAENACTIS DOUGLASII	1	4	3	0	2.00
576	UNKNOWN FORBS	1	3	1	1	1.50
577	SALSOLA KALI	1	0	0	0	0.25
578	CRYPTANTHA SERICEA	0	1	0	3	1.00

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
579	CHAENACTIS DOUGLASII	1	1	0	0	0.5
580	CRYPTANTHA SERICEA	1	2	6	1	2.5

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
581	CRUCIFER SPECIES	2	1	0	0	0.75
582	CRYPTANTHA SERICEA	4	5	1	2	3.00
583	UNKNOWN FORBS	0	1	0	0	0.25
584	SENECIO MULTILOBATUS	0	1	0	0	0.25
585	ASTRAGALUS PURSHII	0	0	1	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
586	CRYPTANTHA SERICEA	2	4	6	1	3.25
587	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
588	SALSOLA KALI	0	1	1	0	0.50
589	UNKNOWN FORBS	0	0	1	0	0.25
590	CHAENACTIS DOUGLASII	0	0	1	0	0.25
591	SENECIO MULTILOBATUS	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
592	UNKNOWN FORBS	1	1	1	0	0.75
593	ASTRAGALUS PURSHII	1	0	0	0	0.25
594	CRYPTANTHA SERICEA	2	2	1	3	2.00
595	CHAENACTIS DOUGLASII	1	0	0	0	0.25
596	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
597	MELILOTUS OFFICINALIS	0	1	0	0	0.25
598	SENECIO MULTILOBATUS	0	0	0	1	0.25
599	MELILOTUS OFFICINALIS	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
600	CHAENACTIS DOUGLASII	1	1	1	1	1.00
601	PHYSARIA FLORIBUNDA	1	0	1	0	0.50
602	CRYPTANTHA SERICEA	1	0	4	0	1.25
603	UNKNOWN FORBS	1	0	0	0	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
604	UNKNOWN FORBS	0	1	2	1	1.00
605	CRUCIFER SPECIES	0	3	0	0	0.75
606	CRYPTANTHA SERICEA	0	1	1	1	0.75
607	PHYSARIA FLORIBUNDA	0	0	1	0	0.25
608	SENECIO MULTILOBATUS	0	0	1	2	0.75

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
609	CHAENACTIS DOUGLASII	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
610	CRYPTANTHA SERICEA	1	1	3	0	1.25
611	CRUCIFER SPECIES	1	0	1	0	0.50
612	TARAXACUM OFFICINALE	0	1	0	0	0.25
613	SENECIO MULTILOBATUS	0	1	0	0	0.25
614	UNKNOWN FORBS	0	1	1	0	0.50
615	ASTRAGALUS DIVERSIFOLIUS	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
616	CRYPTANTHA SERICEA	2	4	0	0	1.50
617	CHAENACTIS DOUGLASII	1	1	1	0	0.75
618	PHYSARIA FLORIBUNDA	0	1	0	1	0.50
619	UNKNOWN FORBS	0	0	1	0	0.25
620	SALSOLA KALI	0	0	1	0	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
621	UNKNOWN FORBS	2	1	1	1	1.25
622	SENECIO MULTILOBATUS	1	0	0	1	0.50
623	IPOMOPSIS AGGREGATA	0	1	0	0	0.25
624	CRYPTANTHA SERICEA	0	0	1	1	0.50
625	PHYSARIA FLORIBUNDA	0	0	1	0	0.25
626	CHAENACTIS DOUGLASII	0	0	1	0	0.25
627	ASTRAGALUS PURSHII	0	0	0	1	0.25
628	CRUCIFER SPECIES	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
629	UNKNOWN FORBS	3	2	0	0	1.25
630	SENECIO MULTILOBATUS	1	0	0	0	0.25
631	SALSOLA KALI	1	0	0	1	0.50
632	CRYPTANTHA SERICEA	0	0	3	1	1.00

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
633	SENECIO MULTILOBATUS	1	0	0	0	0.25
634	CRYPTANTHA SERICEA	4	0	1	1	1.50
635	UNKNOWN FORBS	1	0	0	0	0.25
636	SALSOLA KALI	1	0	0	0	0.25
637	CHAENACTIS DOUGLASII	1	1	0	0	0.50
638	CRUCIFER SPECIES	0	3	2	0	1.25
639	ASTRAGALUS DIVERSIFOLIUS	0	0	1	0	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
640	CHAENACTIS DOUGLASII	7	1	0	1	2.25
641	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
642	SALSOLA KALI	1	0	1	0	0.50
643	CRUCIFER SPECIES	1	0	0	0	0.25
644	CRYPTANTHA SERICEA	4	11	0	1	4.00
645	UNKNOWN FORBS	0	1	0	0	0.25
646	ASTRAGALUS PURSHII	0	0	1	0	0.25
647	SENECIO MULTILOBATUS	0	0	1	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
648	CHAENACTIS DOUGLASII	1	0	0	0	0.25
649	SALSOLA KALI	1	0	0	0	0.25
650	CHAENACTIS DOUGLASII	0	0	1	0	0.25
651	CRUCIFER SPECIES	0	0	0	2	0.50
652	UNKNOWN FORBS	0	0	0	1	0.25
653	CRYPTANTHA SERICEA	0	0	0	1	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
654	CHAENACTIS DOUGLASII	1	1	1	1	1.00
655	UNKNOWN FORBS	0	1	0	1	0.50
656	SALSOLA KALI	0	0	1	0	0.25
657	CRYPTANTHA SERICEA	0	0	1	0	0.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
658	UNKNOWN FORBS	1	1	0	0	0.50
659	CRYPTANTHA SERICEA	7	1	1	1	2.50
660	SALSOLA KALI	1	1	0	0	0.50
661	CHAENACTIS DOUGLASII	1	1	2	0	1.00
662	SENECIO MULTILOBATUS	0	0	1	0	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
663	AGROPYRON SPECIES	5	6	18	2	7.75
664	ELYMUS CINEREUS	1	0	0	0	0.25
665	AGROPYRON TRICHOPHORUM	0	1	0	1	0.50
666	STIPA VIRIDULA	0	1	1	0	0.50
667	ORYZOPSIS HYMENOIDES	0	0	0	1	0.25

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
668	ORYZOPSIS HYMENOIDES	2	2	12	1	4.25
669	AGROPYRON SPECIES	2	12	1	18	8.25
670	ELYMUS CINEREUS	0	1	0	0	0.25
671	STIPA VIRIDULA	0	0	0	2	0.50
672	AGROPYRON TRICHOPHORUM	0	0	0	1	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
673	ORYZOPSIS HYMENOIDES	3	1	5	14	5.75
674	AGROPYRON SPECIES	1	6	7	4	4.50
675	STIPA VIRIDULA	0	3	1	0	1.00

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
676	ORYZOPSIS HYMENOIDES	18	24	3	11	14.00
677	AGROPYRON SPECIES	1	2	6	7	4.00
678	STIPA VIRIDULA	0	0	5	0	1.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
679	ORYZOPSIS HYMENOIDES	3	1	5	0	2.25
680	AGROPYRON SPECIES	9	3	6	3	5.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
681	ORYZOPSIS HYMENOIDES	3	6	17	3	7.25
682	AGROPYRON SPECIES	5	4	2	6	4.25
683	AGROPYRON TRICHOPHORUM	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
684	AGROPYRON SPECIES	6	9	9	11	8.75
685	ORYZOPSIS HYMENOIDES	5	1	0	5	2.75
686	STIPA VIRIDULA	2	1	2	1	1.50
687	ELYMUS CINEREUS	0	0	1	1	0.50

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
688	STIPA VIRIDULA	1	5	0	0	1.5
689	AGROPYRON SPECIES	5	9	1	17	8.0
690	ORYZOPSIS HYMENOIDES	12	0	3	3	4.5
691	ELYMUS CINEREUS	0	1	0	1	0.5

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
692	ORYZOPSIS HYMENOIDES	8	7	0	6	5.25
693	AGROPYRON TRICHOPHORUM	2	0	0	2	1.00
694	AGROPYRON SPECIES	8	2	0	9	4.75
695	STIPA VIRIDULA	1	1	6	2	2.50

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
696	ORYZOPSIS HYMENOIDES	19	1	1	16	9.25
697	AGROPYRON SPECIES	1	13	9	1	6.00
698	AGROPYRON TRICHOPHORUM	0	0	0	1	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
699	AGROPYRON SPECIES	17	7	6	0	7.50
700	ORYZOPSIS HYMENOIDES	11	3	1	16	7.75
701	STIPA VIRIDULA	1	1	0	0	0.50
702	AGROPYRON TRICHOPHORUM	0	3	0	0	0.75

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
703	ORYZOPSIS HYMENOIDES	8	0	7	9	6.00
704	STIPA VIRIDULA	4	0	1	0	1.25
705	AGROPYRON SPECIES	2	18	3	6	7.25
706	ELYMUS CINEREUS	0	2	0	0	0.50

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
707	STIPA VIRIDULA	1	1	0	0	0.50
708	AGROPYRON SPECIES	9	1	4	2	4.00
709	ORYZOPSIS HYMENOIDES	1	4	1	1	1.75

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
710	AGROPYRON SPECIES	7	0	7	9	5.75
711	ORYZOPSIS HYMENOIDES	0	22	0	0	5.50
712	STIPA VIRIDULA	0	0	2	0	0.50

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
713	ORYZOPSIS HYMENOIDES	6	2	1	3	3.00
714	STIPA VIRIDULA	1	0	0	1	0.50
715	AGROPYRON SPECIES	8	11	4	4	6.75

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
716	AGROPYRON SPECIES	6	3	3	9	5.25
717	ORYZOPSIS HYMENOIDES	1	11	1	1	3.50
718	STIPA VIRIDULA	0	1	0	1	0.50

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
719	AGROPYRON CRISTATUM	1	0	0	0	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
720	AGROPYRON CRISTATUM	0	1	0	1	0.50
721	SITANION HYSTRIX	0	0	3	0	0.75

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
722	SITANION HYSTRIX	1	0	0	0	0.25
723	AGROPYRON CRISTATUM	0	0	0	3	0.75

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
724	SITANION HYSTRIX	0	0	1	0	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
725	AGROPYRON CRISTATUM	0	3	0	0	0.75

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
726	AGROPYRON CRISTATUM	0	0	0	1	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
727	STIPA COMATA	0	0	0	2	0.5

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
728	SITANION HYSTRIX	0	0	0	1	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
729	AGROPYRON CRISTATUM	2	1	0	0	0.75
730	STIPA COMATA	0	0	0	1	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
731	SITANION HYSTRIX	0	0	1	0	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
732	SITANION HYSTRIX	0	0	1	1	0.5

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
733	AGROPYRON CRISTATUM	1	0	0	1	0.50
734	STIPA COMATA	0	0	0	1	0.25

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
735	SITANION HYSTRIX	0	1	0	0	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
736	CHRYSOTHAMNUS NAUSEOSUS	0	27	0	26	13.25
737	CERATOIDES LANATA	0	2	0	0	0.50

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
738	CHRYSOTHAMNUS VISIDIFLORUS	21	1	3	1	6.50
739	CHRYSOTHAMNUS NAUSEOSUS	6	0	1	0	1.75
740	PURSHIA TRIDENTATA	0	12	0	0	3.00

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
741	CHRYSOTHAMNUS NAUSEOSUS	3	29	2	0	8.50
742	CHRYSOTHAMNUS VISIDIFLORUS	0	1	0	1	0.50
743	PURSHIA TRIDENTATA	0	1	0	0	0.25
744	ARTEMISIA TRIDENTATA	0	0	1	1	0.50

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
745	CHRYSOTHAMNUS NAUSEOSUS	1	0	1	3	1.25
746	CHRYSOTHAMNUS VISIDIFLORUS	0	0	4	3	1.75

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
747	ATRIPLEX CANESCENS	2	0	0	0	0.50
748	CHRYSOTHAMNUS NAUSEOSUS	1	1	1	1	1.00
749	CHRYSOTHAMNUS VISIDIFLORUS	0	33	11	1	11.25
750	ARTEMISIA TRIDENTATA	0	0	0	16	4.00

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
751	CHRYSOTHAMNUS NAUSEOSUS	6	4	1	10	5.25
752	CHRYSOTHAMNUS VISIDIFLORUS	1	1	0	0	0.50

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
753	PURSHIA TRIDENTATA	0	1	0	0	0.25
754	CHRYSOTHAMNUS NAUSEOSUS	0	1	11	10	5.50
755	CHRYSOTHAMNUS VISIDIFLORUS	0	1	0	9	2.50

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
756	CHRYSOTHAMNUS VISIDIFLORUS	2	14	16	18	12.50
757	ARTEMISIA TRIDENTATA	1	1	0	0	0.50
758	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
759	CHRYSOTHAMNUS VISIDIFLORUS	0	2	1	0	0.75
760	PURSHIA TRIDENTATA	0	0	0	2	0.50

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
761	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	5	1.5

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
762	CHRYSOTHAMNUS NAUSEOSUS	13	0	1	0	3.50
763	CHRYSOTHAMNUS VISIDIFLORUS	0	0	1	0	0.25
764	PURSHIA TRIDENTATA	0	0	3	0	0.75

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
765	CHRYSOTHAMNUS NAUSEOSUS	4	2	0	0	1.50
766	PURSHIA TRIDENTATA	0	3	0	0	0.75
767	CHRYSOTHAMNUS VISIDIFLORUS	0	11	15	0	6.50

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
768	CHRYSOTHAMNUS NAUSEOSUS	10	1	0	0	2.75
769	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	6	1.50

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
770	CHRYSOTHAMNUS NAUSEOSUS	1	1	0	0	0.50
771	ATRIPLEX CANESCENS	0	0	0	1	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
772	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	0	0.25
773	CHRYSOTHAMNUS VISIDIFLORUS	0	1	0	4	1.25
774	PURSHIA TRIDENTATA	0	0	0	4	1.00

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
775	GUTIERREZIA SAROTHRAE	0	0	1	0	0.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
776	GUTIERREZIA SAROTHRAE	0	0	3	0	0.75

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
777	GUTIERREZIA SAROTHRAE	1	2	0	0	0.75

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
778	GUTIERREZIA SAROTHRAE	0	0	0	2	0.5

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COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
779	GUTIERREZIA SAROTHRAE	2	0 .	0	0	0.5

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
780	GUTIERREZIA SAROTHRAE	0	3	0	0	0.75

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
781	GUTIERREZIA SAROTHRAE	0	0	0	4	1

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
782	GUTIERREZIA SAROTHRAE	0	2	0	0	0.5

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
783	GUTIERREZIA SAROTHRAE	0	0	2	0	0.5

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
784	GUTIERREZIA SAROTHRAE	1	0	0	0	0.25

COVER ESTIMATES FOR SPECIES SAMPLED IN SITE R-2 IN 1981

---------- BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
785	GUTIERREZIA SAROTHRAE	1	12.	0	0	3.25

---------- BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
786	GUTIERREZIA SAROTHRAE	0	0	2	0	0.5

Biomass data (g) for species occurring within treatment combinations on Experimental Revegetation Plot R-2.

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
1	LINUM LEWISII	6.3	34.3	3.6	4	12.05

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
2	ASTRAGALUS CICER	16.9	.	.	.	4.225
3	LINUM LEWISII	2.7	0.5	7.4	4.2	3.700
4	MELILOTUS OFFICINALIS	0.2	1.8	0.5	.	0.625

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
5	LINUM LEWISII	2.8	4.5	2.2	.	2.375
6	PENSTEMON STRICTUS	.	0.6	.	.	0.150
7	ASTRAGALUS CICER	.	4.0	25.2	.	7.300
8	MELILOTUS OFFICINALIS	.	.	0.3	0.1	0.100
9	PHYSARIA FLORIBUNDA	.	.	.	1.4	0.350

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
10	LINUM LEWISII	.	0.8	3.8	1.1	1.425

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
11	ASTRAGALUS CICER	3.3	.	.	1.9	1.300
12	LINUM LEWISII	7.4	6.5	0.3	6.6	5.200
13	MELILOTUS OFFICINALIS	.	.	0.2	0.3	0.125

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
14	LINUM LEWISII	2.2	2.5	0.9	0.6	1.550
15	ASTRAGALUS CICER	26.9	.	.	.	6.725
16	MELILOTUS OFFICINALIS	0.5	.	.	.	0.125

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
17	ASTRAGALUS CICER	61.1	19.8	25.9	.	26.700
18	LINUM LEWISII	2.2	24.8	0.2	9.0	9.050
19	MELILOTUS OFFICINALIS	.	0.9	0.4	3.6	1.225
20	HEDYSARUM UTAHENSIS	.	.	.	1.0	0.250

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
21	HEDYSARUM UTAHENSIS	.	10.3	3.8	.	3.525
22	LINUM LEWISII	.	.	0.2	10.4	2.650
23	ASTRAGALUS CICER	.	.	.	4.2	1.050

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
24	LINUM LEWISII	12.5	.	8.6	5.2	6.575
25	ASTRAGALUS CICER	3.0	5.8	0.6	4.7	3.525

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
26	LINUM LEWISII	15.9	4.4	4.4	0.8	6.375
27	MELILOTUS OFFICINALIS	0.2	.	.	.	0.050
28	ASTRAGALUS CICER	.	.	22.9	.	5.725
29	MELILOTUS OFFICINALIS	.	.	.	0.2	0.050

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
30	LINUM LEWISII	1.2	10.7	0.7	2.1	3.675
31	ASTRAGALUS CICER	.	2.2	.	3.7	1.475

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
32	LINUM LEWISII	11.8	14.8	33.7	1.4	15.425
33	ASTRAGALUS CICER	.	23.3	24.2	69.0	29.125

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
34	LINUM LEWISII	33.1	21.3	0.1	8.8	15.825
35	ASTRAGALUS CICER	.	.	42.5	.	10.625

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
36	ASTRAGALUS CICER	12.6	27.8	5.4	.	11.45
37	LINUM LEWISII	10.7	5.2	13.0	1.7	7.65
38	CHAENACTIS DOUGLASII	0.3	0.4	0.5	.	0.30

---------- BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
39	ASTRAGALUS CICER	76.2	.	.	.	19.05
40	MELILOTUS OFFICINALIS	0.2	.	.	.	0.05

RIO BLANCO OIL SHALE COMPANY
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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
41	HEDYSARUM UTAHENSIS	1.0	0.8	.	.	0.450
42	LINUM LEWISII	1.8	11.3	21.8	.	8.725
43	ASTRAGALUS CICER	.	14.6	2.1	.	4.175
44	MELILOTUS OFFICINALIS	.	.	.	0.3	0.075

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
45	SENECIO MULTILOBATUS	.	0.9	.	.	0.225
46	PHLOX HOODII	.	.	4.4	.	1.100
47	PHYSARIA FLORIBUNDA	.	.	0.9	.	0.225
48	UNKNOWN FORBS	.	.	0.7	1.4	0.525
49	CHAENACTIS DOUGLASII	.	.	0.8	0.5	0.325
50	CRUCIFER SPECIES	.	.	0.5	0.6	0.275

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
51	CRYPTANTHA SERICEA	1.1	0.6	2.4	2.5	1.650
52	IPOMOPSIS AGGREGATA	0.8	.	.	.	0.200
53	ASTRAGALUS DIVERSIFOLIUS	0.3	.	.	.	0.075
54	CHAENACTIS DOUGLASII	0.1	0.4	0.7	.	0.300
55	UNKNOWN FORBS	.	1.7	.	1.1	0.700
56	CRUCIFER SPECIES	.	.	.	1.6	0.400

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
57	CRYPTANTHA SERICEA	14.7	0.4	6.3	.	5.35
58	CRUCIFER SPECIES	0.4	.	.	.	0.10
59	UNKNOWN FORBS	0.4	0.3	.	0.1	0.20
60	IPOMOPSIS AGGREGATA	.	0.7	.	0.1	0.20
61	CHAENACTIS DOUGLASII	.	.	0.2	0.6	0.20

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
62	SALSOLA KALI	0.9	0.3	.	.	0.300
63	CHAENACTIS DOUGLASII	0.3	0.2	.	.	0.125
64	CRYPTANTHA SERICEA	0.4	3.9	13	0.2	4.375

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
65	IPOMOPSIS AGGREGATA	0.4	0.9	.	0.1	0.350
66	CRYPTANTHA SERICEA	0.2	9.5	0.8	.	2.625
67	CHAENACTIS DOUGLASII	.	1.2	3.3	2.3	1.700
68	SENECIO MULTILOBATUS	.	.	.	0.3	0.075

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
69	CRYPTANTHA SERICEA	0.1	0.7	4.1	4.0	2.225
70	UNKNOWN FORBS	0.1	.	5.5	.	1.400
71	CHAENACTIS DOUGLASII	0.4	.	.	3.4	0.950

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
72	CRUCIFER SPECIES	0.3	0.2	.	.	0.125
73	CRYPTANTHA SERICEA	0.3	0.4	2.6	1.4	1.175
74	SENECIO MULTILOBATUS	0.1	.	1.0	.	0.275
75	IPOMOPSIS AGGREGATA	.	0.8	.	1.7	0.625
76	CHAENACTIS DOUGLASII	.	.	.	0.4	0.100
77	UNKNOWN FORBS	.	0.4	8.9	0.6	2.475

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
78	CRYPTANTHA SERICEA	0.7	0.3	.	5.0	1.500
79	CHAENACTIS DOUGLASII	0.4	0.8	1.0	0.3	0.625
80	IPOMOPSIS AGGREGATA	.	0.4	0.1	2.3	0.700
81	UNKNOWN FORBS	.	.	0.3	1.7	0.500
82	SALSOLA KALI	.	.	0.1	.	0.025

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
83	CRYPTANTHA SERICEA	5.0	.	.	.	1.250
84	IPOMOPSIS AGGREGATA	2.1	.	.	1.5	0.900
85	CHAENACTIS DOUGLASII	0.4	.	.	1.0	0.350
86	UNKNOWN FORBS	.	2.3	3.7	0.6	1.650
87	SENECIO MULTILOBATUS	.	0.1	0.6	.	0.175
88	CRYPTANTHA SERICEA	.	0.1	2.4	.	0.625
89	HAPLOPPAPPUS NUTTALLII	.	.	1.3	.	0.325
90	ASTRAGALUS DIVERSIFOLIUS	.	.	0.7	.	0.175

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
91	CRYPTANTHA SERICEA	3.0	0.5	0.8	3.3	1.900
92	UNKNOWN FORBS	1.4	9.4	0.9	7.4	4.775
93	CHAENACTIS DOUGLASII	0.1	0.6	4.4	2.3	1.850
94	PHYSARIA FLORIBUNDA	1.0	.	.	.	0.250
95	SENECIO MULTILOBATUS	0.6	.	0.4	0.2	0.300
96	SALSOLA KALI	.	0.1	.	.	0.025
97	IPOMOPSIS AGGREGATA	.	.	.	0.5	0.125
98	CRUCIFER SPECIES	.	.	.	0.1	0.025

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
99	SENECIO MULTILOBATUS	1.0	.	.	.	0.250
100	CRYPTANTHA SERICEA	1.3	.	.	.	0.325
101	UNKNOWN FORBS	1.3	2.6	2.8	4.6	2.825
102	CHAENACTIS DOUGLASII	0.2	.	1.7	0.2	0.525
103	CRUCIFER SPECIES	.	.	1.3	.	0.325

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
104	UNKNOWN FORBS	1.4	0.4	1.1	5.8	2.175
105	CRYPTANTHA SERICEA	3.8	1.3	0.6	7.0	3.175
106	CHAENACTIS DOUGLASII	.	0.4	0.3	.	0.175
107	CRUCIFER SPECIES	.	0.4	.	.	0.100
108	SENECIO MULTILOBATUS	.	.	0.3	0.4	0.175

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
109	SENECIO MULTILOBATUS	0.8	.	.	.	0.200
110	UNKNOWN FORBS	1.5	1.0	0.3	0.1	0.725
111	CHAENACTIS DOUGLASII	0.2	0.5	1.0	.	0.425
112	CRYPTANTHA SERICEA	2.8	3.8	.	0.8	1.850
113	ASTRAGALUS DIVERSIFOLIUS	.	.	.	1.4	0.350

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
114	SENECIO MULTILOBATUS	1.1	.	0.2	0.4	0.425
115	CRYPTANTHA SERICEA	0.4	0.7	.	.	0.275
116	PHLOX HOODII	.	.	.	8.1	2.025

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
117	CRYPTANTHA SERICEA	13.9	..	0.5	3.7	4.525
118	UNKNOWN FORBS	0.5	1.7	0.7	1.2	1.025
119	SENECIO MULTILOBATUS	0.1	0.8	1.3	.	0.550
120	CHAENACTIS DOUGLASII	0.3	0.7	0.3	.	0.325
121	SALSOLA KALI	0.2	.	.	.	0.050
122	IPOMOPSIS AGGREGATA	.	0.2	.	.	0.050
123	LINUM LEWISII	.	0.3	1.2	2.0	0.875
124	PHLOX HOODII	.	.	1.1	.	0.275

BLOCK=1 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
125	UNKNOWN FORBS	10.3	0.3	0.3	0.8	2.925
126	CHAENACTIS DOUGLASII	0.2	.	0.5	0.4	0.275
127	IPOMOPSIS AGGREGATA	0.1	.	.	.	0.025
128	SALSOLA KALI	.	.	.	0.2	0.050
129	SENECIO MULTILOBATUS	.	.	6.9	.	1.725
130	CRUCIFER SPECIES	.	.	5.4	.	1.350
131	CRYPTANTHA SERICEA	.	.	1.0	.	0.250

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
132	ORYZOPSIS HYMENOIDES	2.9	2.2	4.6	0.6	2.575
133	AGROPYRON SPECIES	13.0	5.1	1.3	0.6	5.000
134	STIPA VIRIDULA	1.0	.	.	.	0.250
135	AGROPYRON TRICHOPHORUM	1.5	.	.	.	0.375
136	ELYMUS CINEREUS	.	.	12.9	.	3.225

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
137	AGROPYRON SPECIES	25.7	2.3	30.7	25.1	20.950
138	ORYZOPSIS HYMENOIDES	3.2	2.2	0.3	26.8	8.125
139	AGROPYRON SPECIES	.	.	.	4.1	1.025

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
140	ORYZOPSIS HYMENOIDES	0.7	20.0	1.8	20.8	10.825
141	AGROPYRON SMITHII	2.3	.	.	.	0.575
142	AGROPYRON SPECIES	7.5	3.3	12.2	4.9	6.975
143	ELYMUS CINEREUS	.	.	.	5.3	1.325

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
144	AGROPYRON SPECIES	35.5	50.1	4.4	16.0	26.500
145	ORYZOPSIS HYMENOIDES	0.8	.	.	.	0.200
146	AGROPYRON SMITHII	.	8.0	6.3	7.0	5.325
147	AGROPYRON TRICHOPHORUM	.	6.7	.	54.0	15.175
148	ORYZOPSIS HYMENOIDES	.	.	6.0	.	1.500
149	STIPA VIRIDULA	.	.	.	1.3	0.325

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
150	STIPA VIRIDULA	4.2	4.3	1.3	.	2.45
151	AGROPYRON SPECIES	21.5	0.5	12.5	17.1	12.90
152	ORYZOPSIS HYMENOIDES	.	.	1.8	.	0.45
153	AGROPYRON SPECIES	.	.	.	2.4	0.60

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
154	AGROPYRON TRICHOPHORUM	16.5	.	.	.	4.125
155	STIPA VIRIDULA	2.6	0.9	.	.	0.875
156	AGROPYRON SPECIES	18.5	29.5	6.1	3.3	14.350
157	ELYMUS CINEREUS	.	1.9	.	.	0.475
158	ORYZOPSIS HYMENOIDES	.	1.7	1.1	5.0	1.950
159	AGROPYRON SMITHII	.	0.5	.	.	0.125

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
160	AGROPYRON TRICHOPHORUM	17.6	.	.	2.4	5.000
161	AGROPYRON SPECIES	10.4	26.1	6.3	11.7	13.625
162	ORYZOPSIS HYMENOIDES	0.3	.	0.3	.	0.150
163	ELYMUS CINEREUS	.	0.4	.	0.7	0.275
164	STIPA VIRIDULA	.	2.1	.	0.8	0.725
165	BROMUS INERME	.	.	2.5	.	0.625
166	AGROPYRON SPECIES	.	.	1.1	1.4	0.625

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
167	AGROPYRON SPECIES	6.7	24.9	27.9	10.9	17.600
168	ORYZOPSIS HYMENOIDES	0.6	.	.	10.9	2.875
169	ELYMUS CINEREUS	.	3.5	0.7	3.3	1.875
170	AGROPYRON TRICHOPHORUM	.	3.9	14.3	6.1	6.075
171	STIPA VIRIDULA	.	5.6	1.0	1.6	2.050

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
172	AGROPYRON SPECIES	6.9	10.2	19.6	26.2	15.725
173	ORYZOPSIS HYMENOIDES	0.2	5.3	11.9	.	4.350
174	AGROPYRON TRICHOPHORUM	.	16.2	.	.	4.050
175	AGROPYRON SMITHII	.	1.0	.	.	0.250

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
176	ORYZOPSIS HYMENOIDES	13.7	0.2	5.9	3.1	5.725
177	AGROPYRON SPECIES	8.1	1.9	14.0	.	6.000
178	AGROPYRON TRICHOPHORUM	.	.	10.3	.	2.575
179	AGROPYRON SPECIES	.	.	1.6	.	0.400
180	SITANION HYSTRIX	.	.	.	1.4	0.350

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

---------- BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
181	ORYZOPSIS HYMENOIDES	20.9	..	13.7	19.5	13.525
182	AGROPYRON SPECIES	1.6	61.8	9.4	26.4	24.800
183	AGROPYRON TRICHOPHORUM	.	.	15.1	.	3.775
184	AGROPYRON SPECIES	.	.	1.3	4.2	1.375

---------- BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
185	AGROPYRON SPECIES	17.7	38.0	1.7	33.8	22.800
186	STIPA VIRIDULA	.	1.2	0.3	2.7	1.050
187	ORYZOPSIS HYMENOIDES	.	0.3	6.1	24.2	7.650
188	AGROPYRON TRICHOPHORUM	.	3.7	.	5.0	2.175

---------- BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
189	STIPA VIRIDULA	2.7	.	.	6.5	2.300
190	ORYZOPSIS HYMENOIDES	15.5	10.7	.	22.2	12.100
191	AGROPYRON SPECIES	4.3	.	56	18.2	19.625
192	AGROPYRON TRICHOPHORUM	.	.	.	2.0	0.500

---------- BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
193	ORYZOPSIS HYMENOIDES	7.6	15.7	1.9	.	6.300
194	AGROPYRON SPECIES	24.3	20.1	38.4	1.7	21.125
195	AGROPYRON SPECIES	1.4	.	.	.	0.350
196	AGROPYRON TRICHOPHORUM	7.4	2.9	11.4	.	5.425
197	STIPA VIRIDULA	3.5	4.0	.	.	1.875

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
198	STIPA VIRIDULA	4.3	.	.	.	1.075
199	AGROPYRON SPECIES	24.0	4.7	1.7	12.2	10.650
200	AGROPYRON TRICHOPHORUM	.	18.5	.	.	4.625

BLOCK=1 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
201	AGROPYRON SPECIES	32.8	20.7	11.6	8.4	18.375
202	STIPA VIRIDULA	3.2	2.5	2.4	.	2.025
203	AGROPYRON TRICHOPHORUM	.	4.9	.	.	1.225
204	ELYMUS CINEREUS	.	.	.	14.5	3.625
205	ORYZOPSIS HYMENOIDES	.	.	4.0	0.3	1.075

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
206	FESSPP	5.6	.	.	3.4	2.25
207	STIPA COMATA	0.4	.	.	.	0.10
208	SITANION HYSTRIX	.	.	.	0.6	0.15

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
209	STIPA VIRIDULA	2	.	2.3	.	1.075
210	BROMUS TECTORUM	.	0.1	.	.	0.025
211	STIPA COMATA	.	.	.	6.8	1.700

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
212	STIPA VIRIDULA	1.4	.	0.6	.	0.50
213	STIPA COMATA	.	.	.	3.4	0.85

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
214	AGROPYRON CRISTATUM	.	2.4	.	.	0.6

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
215	AGROPYRON CRISTATUM	.	.	8.1	.	2.025

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
216	STIPA COMATA	.	.	.	0.8	0.2

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
217	AGROPYRON CRISTATUM	.	1.7	.	1.8	0.875
218	POA SPECIES	.	.	0.3	.	0.075

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
219	STIPA COMATA	8.3	.	4.4	2.6	3.825
220	AGROPYRON CRISTATUM	.	12.3	1.9	.	3.550
221	SITANION HYSTRIX	.	.	.	1.8	0.450

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
222	STIPA COMATA	1.1	4.7	.	8.6	3.600
223	STIPA VIRIDULA	.	.	0.5	.	0.125

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
224	STIPA COMATA	2.1	0.8	4.5	0.5	1.975
225	BROMUS TECTORUM	0.1	.	.	.	0.025

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
226	STIPA COMATA	2.5	.	2.7	2.2	1.850
227	SITANION HYSTRIX	.	.	0.8	.	0.200
228	AGROPYRON CRISTATUM	.	.	.	2.3	0.575

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
229	AGROPYRON CRISTATUM	6.4	.	.	.	1.60
230	SITANION HYSTRIX	1.0	.	.	.	0.25
231	STIPA COMATA	.	.	2.2	.	0.55

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
232	SITANION HYSTRIX	0.4	1.6	.	.	0.50
233	STIPA COMATA	2.3	0.9	.	.	0.80
234	AGROPYRON CRISTATUM	.	1.0	.	.	0.25

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
235	ORYZOPSIS HYMENOIDES	11.4	1.4	13.0	12.7	9.625
236	STIPA COMATA	2.1	.	32.5	3.0	9.400

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
237	STIPA COMATA	4.3	.	1.1	1.6	1.75
238	AGROPYRON CRISTATUM	.	.	.	0.8	0.20
239	SITANION HYSTRIX	.	.	.	1.6	0.40

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
240	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
241	PURSHIA TRIDENTATA	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
242	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
243	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.
244	CERATOIDES LANATA	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
245	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
246	CERATOIDES LANATA	.	.	.	.	.
247	PURSHIA TRIDENTATA	.	.	.	.	.
248	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
249	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.
250	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
251	CERATOIDES LANATA	.	.	.	.	.

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
252	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
253	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
254	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
255	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.
256	PURSHIA TRIDENTATA	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
257	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.
258	CERATOIDES LANATA	.	.	.	.	.
259	PURSHIA TRIDENTATA	.	.	.	.	.
260	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
261	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
262	CERATOIDES LANATA	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
263	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
264	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
265	ARTEMISIA TRIDENTATA	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUPPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
266	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
267	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
268	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
269	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
270	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
271	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.
272	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
273	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
274	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
275	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
276	GUTIERREZIA SAROTHRAE	.	0.5	.	0.6	0.275

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
277	GUTIERREZIA SAROTHRAE	1.1	10.8	9.3	.	5.3

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
278	GUTIERREZIA SAROTHRAE	.	24.1	.	25.7	12.45

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
279	GUTIERREZIA SAROTHRAE	17.1	8.2	.	.	6.325

BLOCK=1 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
280	GUTIERREZIA SAROTHRAE	24.3	.	.	.	6.075

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
281	LINUM LEWISII	3.3	10.6	.	.	3.475
282	ASTRAGALUS CICER	.	21.6	.	.	5.400
283	HEDYSARUM UTAHENSIS	.	4.6	.	.	1.150
284	MELILOTUS OFFICINALIS	.	.	.	.	.

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
285	LINUM LEWISII	10.9	6.9	.	1.2	4.75
286	ASTRAGALUS CICER	.	.	24.4	.	6.10

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
287	LINUM LEWISII	6.7	12.0	1.1	7.6	6.850
288	MELILOTUS OFFICINALIS	0.1	.	.	.	0.025
289	ASTRAGALUS CICER	.	20.1	.	.	5.025

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
290	ASTRAGALUS CICER	12.5	.	.	.	3.125
291	HEDYSARUM UTAHENSIS	1.0	.	.	.	0.250
292	LINUM LEWISII	9.4	1.1	8.5	0.7	4.925
293	MELILOTUS OFFICINALIS	.	.	.	0.5	0.125

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
294	ASTRAGALUS CICER	25.4	.	.	.	6.350
295	LINUM LEWISII	5.7	0.6	3.4	1.1	2.700
296	MELILOTUS OFFICINALIS	0.8	.	.	.	0.200
297	HEDYSARUM UTAHENSIS	.	.	.	19.1	4.775

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
298	LINUM LEWISII	1.9	5.3	1.5	0.8	2.375
299	ASTRAGALUS CICER	.	44.0	.	.	11.000

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
300	ASTRAGALUS CICER	15.9	.	0.6	13	7.375
301	LINUM LEWISII	7.3	20.5	3.5	.	7.825
302	MELILOTUS OFFICINALIS	0.5	.	.	.	0.125

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
303	LINUM LEWISII	1	15.5	1.9	0.6	4.750
304	ASTRAGALUS CICER	.	7.4	35.6	23.5	16.625
305	MELILOTUS OFFICINALIS	.	0.3	.	.	0.075

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
306	ASTRAGALUS CICER	44.2	.	0.6	71.4	29.05
307	HEDYSARUM UTAHENSIS	12.2	.	.	.	3.05
308	LINUM LEWISII	0.7	5	9.1	7.8	5.65

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
309	ASTRAGALUS CICER	41.2	43.3	25.0	.	27.375
310	LINUM LEWISII	6.8	0.8	11.8	3.2	5.650

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
311	ASTRAGALUS CICER	2.5	12.5	.	20.0	8.750
312	LINUM LEWISII	9.9	7.4	13.1	0.4	7.700
313	HEDYSARUM UTAHENSIS	.	3.7	.	.	0.925

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
314	LINUM LEWISII	6.2	0.3	1.8	3.9	3.05
315	MELILOTUS OFFICINALIS	.	.	0.2	.	0.05
316	ASTRAGALUS CICER	.	.	.	27.2	6.80

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
317	LINUM LEWISII	11.3	20.5	.	.	7.950
318	ASTRAGALUS CICER	0.5	.	18.0	27.8	11.575
319	MELILOTUS OFFICINALIS	.	.	0.3	.	0.075
320	HEDYSARUM UTAHENSIS	.	.	.	7.5	1.875

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
321	LINUM LEWISII	1.2	0.4	.	20.1	5.425

BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
322	LINUM LEWISII	2.8	16.0	.	.	4.700
323	ASTRAGALUS CICER	.	87.7	.	.	21.925

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
324	ASTRAGALUS CICER	0.8	.	.	4.1	1.225
325	LINUM LEWISII	3.0	3.7	5	10.0	5.425

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
326	UNKNOWN FORBS	20	.	.	0.5	5.125
327	ASTRAGALUS DIVERSIFOLIUS	.	0.4	.	.	0.100
328	CRYPTANTHA SERICEA	.	1.5	.	3.4	1.225
329	CHAENACTIS DOUGLASII	.	.	0.2	.	0.050

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
330	CRYPTANTHA SERICEA	2.8	.	0.5	2.3	1.4
331	UNKNOWN FORBS	.	4.7	0.9	0.4	1.5
332	MELILOTUS OFFICINALIS	.	.	0.4	.	0.1

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
333	SENECIO MULTILOBATUS	0.4	.	.	1.6	0.500
334	UNKNOWN FORBS	1.2	.	9.7	0.4	2.825
335	CHAENACTIS DOUGLASII	.	.	.	0.6	0.150
336	CRYPTANTHA SERICEA	.	.	.	0.2	0.050

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
337	UNKNOWN FORBS	.	8.8	.	0.4	2.300
338	SENECIO MULTILOBATUS	.	.	.	1.2	0.300
339	CRYPTANTHA SERICEA	.	.	.	4.1	1.025

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
340	CRYPTANTHA SERICEA	0.7	.	.	.	0.175
341	UNKNOWN FORBS	0.5	.	0.4	0.5	0.350
342	CHAENACTIS DOUGLASII	0.6	.	.	.	0.150
343	ASTRAGALUS DIVERSIFOLIUS	.	1.8	.	.	0.450
344	PHYSARIA FLORIBUNDA	.	.	1.7	0.7	0.600
345	SENECIO MULTILOBATUS	.	.	.	1.6	0.400

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
346	CHAENACTIS DOUGLASII	1.3	0.5	1.5	0.8	1.025
347	SALSOLA KALI	1.4	0.4	0.3	.	0.525
348	CRYPTANTHA SERICEA	0.6	7.5	.	2.3	2.600
349	UNKNOWN FORBS	0.3	5.4	.	.	1.425

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
350	UNKNOWN FORBS	.	3.7	3.9	0.4	2.000
351	SALSOLA KALI	.	0.3	.	.	0.075
352	CHAENACTIS DOUGLASII	.	.	2.8	.	0.700
353	PHYSARIA FLORIBUNDA	.	.	.	0.8	0.200

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
354	PHYSARIA FLORIBUNDA	0.7	.	.	.	0.175
355	UNKNOWN FORBS	6.9	0.4	.	0.4	1.925
356	CHAENACTIS DOUGLASII	2.4	0.9	.	.	0.825
357	CRYPTANTHA SERICEA	1.5	0.6	.	.	0.525
358	CRUCIFER SPECIES	.	2.9	.	0.4	0.825
359	SENECIO MULTILOBATUS	.	0.3	.	.	0.075

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
360	CRYPTANTHA SERICEA	1.4	.	.	.	0.350
361	CRUCIFER SPECIES	0.5	.	.	.	0.125
362	CHAENACTIS DOUGLASII	.	.	2.9	.	0.725
363	UNKNOWN FORBS	.	.	.	1.4	0.350
364	SENECIO MULTILOBATUS	.	.	.	0.5	0.125

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
365	UNKNOWN FORBS	0.5	.	0.2	3	0.925
366	SALSOLA KALI	0.2	.	.	.	0.050
367	CRYPTANTHA SERICEA	.	.	0.9	.	0.225
368	CHAENACTIS DOUGLASII	.	.	0.3	.	0.075
369	SENECIO MULTILOBATUS	.	.	0.3	.	0.075

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
370	CRYPTANTHA SERICEA	1.2	3.2	0.5	.	1.225
371	UNKNOWN FORBS	0.5	.	2.3	.	0.700
372	SENECIO MULTILOBATUS	.	0.6	.	.	0.150
373	PHYSARIA FLORIBUNDA	.	.	2.9	0.5	0.850
374	SALSOLA KALI	.	.	0.4	.	0.100

BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
375	UNKNOWN FORBS	2.0	.	5.6	.	1.900
376	CRYPTANTHA SERICEA	4.2	1.0	3.4	.	2.150
377	SENECIO MULTILOBATUS	.	1.3	2.0	.	0.825

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
378	UNKNOWN FORBS	0.5	.	2.2	.	0.675
379	SALSOLA KALI	.	0.4	.	.	0.100
380	CRYPTANTHA SERICEA	.	.	3.3	.	0.825
381	SENECIO MULTILOBATUS	.	.	1.0	.	0.250

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
382	SENECIO MULTILOBATUS	5.7	.	.	.	1.425
383	CRYPTANTHA SERICEA	6.8	.	.	0.6	1.850
384	IPOMOPSIS AGGREGATA	0.2	.	.	.	0.050

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
385	UNKNOWN FORBS	0.3	0.8	.	.	0.275
386	CRYPTANTHA SERICEA	.	0.7	.	.	0.175
387	SALSOLA KALI	.	0.5	.	.	0.125
388	SENECIO MULTILOBATUS	.	.	.	3.2	0.800

---------- BLOCK=2 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
389	CRYPTANTHA SERICEA	6.2	.	.	.	1.550
390	SALSOLA KALI	0.3	.	.	.	0.075
391	UNKNOWN FORBS	0.2	.	.	1.3	0.375
392	SENECIO MULTILOBATUS	.	.	1.5	.	0.375
393	CHAENACTIS DOUGLASII	.	.	.	0.7	0.175

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
394	ORYZOPSIS HYMENOIDES	5.5	0.4	34.6	2.5	10.75
395	AGROPYRON TRICHOPHORUM	0.4	.	.	.	0.10
396	ELYMUS CINEREUS	.	.	.	.	.
397	STIPA VIRIDULA	.	0.8	7.6	.	2.10
398	AGROPYRON SPECIES	.	27.1	.	13.1	10.05
399	AGROPYRON SPECIES	.	.	.	.	.

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
400	ORYZOPSIS HYMENOIDES	3.0	8.7	.	1.5	3.300
401	AGROPYRON SPECIES	18.0	0.9	6.8	52.4	19.525
402	AGROPYRON TRICHOPHORUM	6.7	.	26.0	.	8.175

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
403	ORYZOPSIS HYMENOIDES	1.1	1.2	1.2	0.2	0.925
404	AGROPYRON SPECIES	18.9	10.0	4.2	16.1	12.300
405	STIPA VIRIDULA	.	2.8	.	.	0.700
406	AGROPYRON SPECIES	.	3.8	.	.	0.950

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
407	STIPA VIRIDULA	2.8	.	.	1.6	1.100
408	AGROPYRON SPECIES	28.5	2.4	6.5	14.0	12.850
409	ORYZOPSIS HYMENOIDES	0.6	14.6	5.2	23.8	11.050
410	AGROPYRON TRICHOPHORUM	.	.	2.3	.	0.575

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
411	ORYZOPSIS HYMENOIDES	3.1	.	11.6	.	3.675
412	AGROPYRON SPECIES	13.7	5.1	1.2	20.8	10.200
413	AGROPYRON SPECIES	0.6	.	.	.	0.150
414	STIPA VIRIDULA	.	.	2.9	.	0.725
415	AGROPYRON TRICHOPHORUM	.	.	.	11.9	2.975

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
416	ORYZOPSIS HYMENOIDES	32.1	0.6	5.6	0.5	9.700
417	STIPA COMATA	1.9	.	.	.	0.475
418	AGROPYRON SPECIES	0.5	8.1	.	32.8	10.350
419	AGROPYRON TRICHOPHORUM	.	.	.	2.3	0.575
420	STIPA VIRIDULA	.	.	.	2.8	0.700

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
421	AGROPYRON TRICHOPHORUM	6.1	.	8.7	.	3.700
422	AGROPYRON SPECIES	28.5	3.3	22.7	23.3	19.450
423	ORYZOPSIS HYMENOIDES	3.7	2.4	1.1	1.2	2.100
424	ELYMUS CINEREUS	.	.	0.7	.	0.175

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
425	ORYZOPSIS HYMENOIDES	0.9	1.2	5.7	7.8	3.900
426	AGROPYRON SPECIES	1.0	.	1.6	.	0.650
427	ELYMUS CINEREUS	1.1	.	.	.	0.275
428	AGROPYRON SPECIES	7.6	35.2	32.4	14.4	22.400
429	AGROPYRON CRISTATUM	.	6.0	.	.	1.500
430	AGROPYRON TRICHOPHORUM	.	.	4.6	6.2	2.700
431	STIPA VIRIDULA	.	.	2.4	.	0.600

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
432	STIPA VIRIDULA	1.0	.	0.6	1.0	0.650
433	AGROPYRON TRICHOPHORUM	13.1	.	.	1.0	3.525
434	AGROPYRON SPECIES	31.1	3.9	16.8	31.5	20.825
435	ORYZOPSIS HYMENOIDES	.	20.6	3.7	1.5	6.450
436	AGROPYRON CRISTATUM	.	.	.	3.3	0.825

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
437	AGROPYRON SPECIES	16.1	43.4	9.4	24.6	23.375
438	ORYZOPSIS HYMENOIDES	0.8	3.1	42.6	.	11.625
439	AGROPYRON TRICHOPHORUM	.	0.8	.	3.4	1.050
440	STIPA VIRIDULA	.	1.0	.	.	0.250

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
441	STIPA VIRIDULA	3.2	0.9	.	5.6	2.425
442	AGROPYRON SPECIES	11.9	28.0	1.8	12.5	13.550
443	ELYMUS CINEREUS	.	0.6	.	.	0.150
444	AGROPYRON TRICHOPHORUM	.	14.7	.	8.5	5.800
445	ORYZOPSIS HYMENOIDES	.	1.0	1.2	.	0.550

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
446	AGROPYRON SPECIES	0.6	26.8	4.8	44.7	19.225
447	ORYZOPSIS HYMENOIDES	0.3	1.1	14.1	.	3.875
448	AGROPYRON TRICHOPHORUM	.	15.2	.	4.4	4.900
449	STIPA VIRIDULA	.	2.2	.	2.3	1.125

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
450	ORYZOPSIS HYMENOIDES	1.9	0.3	20.6	0.6	5.850
451	AGROPYRON SPECIES	5.0	15.6	31.2	37.5	22.325
452	AGROPYRON SPECIES	0.7	.	.	.	0.175
453	ELYMUS CINEREUS	.	.	0.7	.	0.175

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
454	ORYZOPSIS HYMENOIDES	38.0	1.7	0.8	6.0	11.625
455	AGROPYRON SPECIES	35.8	10.6	61.7	33.2	35.325
456	AGROPYRON TRICHOPHORUM	.	.	.	10.8	2.700
457	STIPA VIRIDULA	.	.	.	1.4	0.350

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
458	AGROPYRON TRICHOPHORUM	23.4	.	23.7	.	11.775
459	ORYZOPSIS HYMENOIDES	2.6	0.5	.	7.9	2.750
460	AGROPYRON SPECIES	5.5	0.9	35.5	32.0	18.475
461	STIPA VIRIDULA	.	.	.	3.5	0.875

BLOCK=2 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
462	ELYMUS CINEREUS	1.1	.	.	.	0.275
463	ORYZOPSIS HYMENOIDES	0.8	19.9	2.4	7.8	7.725
464	AGROPYRON SPECIES	27.7	21.6	27.7	10.2	21.800
465	STIPA VIRIDULA	1.1	.	.	.	0.275
466	AGROPYRON TRICHOPHORUM	.	.	6.0	27.1	8.275

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
467	POA SPECIES	.	0.7	.	.	0.175

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
468	POA SPECIES	.	.	.	3.2	0.8

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
469	SITANION HYSTRIX	.	.	0.5	.	0.125

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
470	AGROPYRON CRISTATUM	3	.	.	.	0.75

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
471	POA SPECIES	.	.	2	.	0.5

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
472	AGROPYRON CRISTATUM	.	2.1	.	1.5	0.900
473	SITANION HYSTRIX	.	.	2.3	.	0.575

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
474	STIPA VIRIDULA	1.2	.	1.6	.	0.7

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
475	POA SPECIES	3.9	.	.	.	0.975

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
476	POA SPECIES	0.4	.	.	.	0.1

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
477	POA SPECIES	1	0.5	.	4.3	1.45

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
478	STIPA COMATA	0.4	.	.	.	0.100
479	POA SPECIES	.	1.4	.	5.1	1.625

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
480	SITANION HYSTRIX	2.5	.	.	.	0.625
481	STIPA COMATA	1.5	.	.	.	0.375
482	SALSOLA KALI	0.2	.	.	.	0.050

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
483	SITANION HYSTRIX	3.1	.	.	.	0.775
484	AGROPYRON CRISTATUM	3.0	.	.	.	0.750
485	BROMUS TECTORUM	.	.	0.1	.	0.025
486	AGROPYRON SPECIES	.	.	.	7.2	1.800

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
487	STIPA COMATA	.	3.1	.	.	0.775
488	SITANION HYSTRIX	.	.	5.2	.	1.300

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
489	SITANION HYSTRIX	0.8	5.6	.	1.1	1.875
490	STIPA COMATA	.	.	.	1.5	0.375

BLOCK=2 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
491	POA SPECIES	3.4	2.6	0.7	.	1.675
492	AGROPYRON CRISTATUM	.	2.7	2.4	12.5	4.400
493	SITANION HYSTRIX	.	.	.	2.9	0.725

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
494	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
495	CERATOIDES LANATA	.	.	.	.	.
496	CHRYSOTHAMNUS VISCIFLORUS	.	.	.	.	.

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
497	CERATOIDES LANATA	.	.	3.4	.	0.85
498	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
499	PURSHIA TRIDENTATA	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
500	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
501	PURSHIA TRIDENTATA	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
502	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.
503	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
504	PURSHIA TRIDENTATA	.	.	.	.	.
505	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
506	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
507	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
508	CERATOIDES LANATA	.	.	.	.	.

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
509	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
510	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
511	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
512	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
513	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
514	PURSHIA TRIDENTATA	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
515	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
516	PURSHIA TRIDENTATA	.	.	.	.	.
517	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
518	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
519	ARTEMISIA TRIDENTATA	.	.	.	.	.

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
520	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
521	PURSHIA TRIDENTATA	.	.	.	.	.
522	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
523	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
524	CERATOIDES LANATA	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
525	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.
526	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
527	CHRYSOTHAMNUS NAUSEOSUS	.	.	.	.	.
528	CHRYSOTHAMNUS VISIDIFLORUS	.	.	.	.	.

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
529	GUTIERREZIA SAROTHRAE	.	.	.	.	.

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
530	GUTIERREZIA SAROTHRAE	.	0.9	0.9	.	0.45

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
531	GUTIERREZIA SAROTHRAE	.	.	0.2	.	0.05

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
532	GUTIERREZIA SAROTHRAE	.	.	.	8.4	2.1

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
533	GUTIERREZIA SAROTHRAE	1.1	.	.	3.9	1.25

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
534	GUTIERREZIA SAROTHRAE	.	.	0.9	7.7	2.15

BLOCK=2 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
535	GUTIERREZIA SAROTHRAE	.	.	.	0.2	0.05

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
536	ASTRAGALUS CICER	28.0	12.8	91.0	13.6	36.35
537	LINUM LEWISII	7.7	8.0	0.6	1.7	4.50
538	MELILOTUS OFFICINALIS	0.2	0.0	0.0	0.0	0.05

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
539	LINUM LEWISII	0.4	1.2	2.5	1	1.275

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
540	MELILOTUS OFFICINALIS	0	0.4	0.0	0.0	0.100
541	LINUM LEWISII	0	0.8	2.7	0.6	1.025
542	ASTRAGALUS CICER	0	0.0	38.4	0.0	9.600
543	HEDYSARUM UTAHENSIS	0	0.0	0.0	0.7	0.175

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
544	LINUM LEWISII	0.9	2.3	2.2	1.7	1.775

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
545	LINUM LEWISII	4.7	4.2	0	0	2.225
546	ASTRAGALUS CICER	17.1	0.0	0	0	4.275

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
547	LINUM LEWISII	1.5	10.6	1.7	6.3	5.025
548	MELILOTUS OFFICINALIS	0.0	0.9	0.0	0.0	0.225
549	ASTRAGALUS CICER	0.0	0.0	0.0	43.4	10.850

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
550	ASTRAGALUS CICER	9.2	0.0	0.0	0	2.3
551	LINUM LEWISII	0.4	1.3	0.7	0	0.6

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
552	ASTRAGALUS CICER	1	0.0	0	0.0	0.250
553	LINUM LEWISII	0	1.8	3	1.0	1.450
554	MELILOTUS OFFICINALIS	0	1.2	0	1.5	0.675

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
555	ASTRAGALUS CICER	25.2	19.6	0.0	0.0	11.200
556	LINUM LEWISII	2.7	3.8	2.3	1.4	2.550
557	HEDYSARUM UTAHENSIS	0.0	16.2	0.0	1.7	4.475
558	MELILOTUS OFFICINALIS	0.0	1.1	0.0	0.0	0.275

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
559	LINUM LEWISII	4.4	3.7	0.4	6.5	3.750
560	ASTRAGALUS CICER	0.0	45.4	23.2	0.0	17.150
561	HEDYSARUM UTAHENSIS	0.0	1.1	0.0	5.2	1.575

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
562	ASTRAGALUS CICER	18.3	2.9	0.0	0.0	5.300
563	LINUM LEWISII	8.8	0.0	0.9	2.2	2.975

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
564	MELILOTUS OFFICINALIS	1.2	0.0	0.0	0.0	0.30
565	LINUM LEWISII	1.0	0.3	5.1	0.4	1.70
566	ASTRAGALUS CICER	0.0	5.0	0.0	0.0	1.25

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
567	LINUM LEWISII	0.3	0	2.3	0.5	0.775

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
568	ASTRAGALUS CICER	46.2	0.0	35.4	14.3	23.975
569	LINUM LEWISII	6.8	5.1	3.1	8.9	5.975

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
570	LINUM LEWISII	0.6	4.5	29.2	11.7	11.500
571	ASTRAGALUS CICER	0.0	5.6	42.5	0.0	12.025

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
572	LINUM LEWISII	2.6	10.4	1.6	11.2	6.45

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
573	ASTRAGALUS CICER	1.2	1.9.	5.4	66.1	18.65

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
574	PHYSARIA FLORIBUNDA	1.7	0.0	0.0	0.0	0.425
575	CHAENACTIS DOUGLASII	2.4	5.2	3.8	0.0	2.850
576	UNKNOWN FORBS	1.2	2.3	0.6	2.0	1.525
577	SALSOLA KALI	0.3	0.0	0.0	0.0	0.075
578	CRYPTANTHA SERICEA	0.0	0.7	0.0	7.7	2.100

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
579	CHAENACTIS DOUGLASII	0.4	0.9	0.0	0.0	0.325
580	CRYPTANTHA SERICEA	2.0	4.6	15.8	4.7	6.775

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
581	CRUCIFER SPECIES	1.1	0.6	0.0	0.0	0.425
582	CRYPTANTHA SERICEA	2.0	17.3	3.0	3.7	6.500
583	UNKNOWN FORBS	0.0	0.4	0.0	0.0	0.100
584	SENECIO MULTILOBATUS	0.0	0.6	0.0	0.0	0.150
585	ASTRAGALUS PURSHII	0.0	0.0	1.3	0.0	0.325

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EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
586	CRYPTANTHA SERICEA	11.5	20.1	46.8	2.3	20.175
587	PHYSARIA FLORIBUNDA	1.0	0.0	0.0	0.0	0.250
588	SALSOLA KALI	0.0	0.5	0.9	0.0	0.350
589	UNKNOWN FORBS	0.0	0.0	0.6	0.0	0.150
590	CHAENACTIS DOUGLASII	0.0	0.0	0.5	0.0	0.125
591	SENECIO MULTILOBATUS	0.0	0.0	0.0	4.4	1.100

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
592	UNKNOWN FORBS	1.0	3.0	1.4	0.0	1.350
593	ASTRAGALUS PURSHII	1.6	0.0	0.0	0.0	0.400
594	CRYPTANTHA SERICEA	1.1	4.8	1.4	5.3	3.150
595	CHAENACTIS DOUGLASII	0.7	0.0	0.0	0.0	0.175
596	PHYSARIA FLORIBUNDA	0.6	0.0	0.0	0.0	0.150
597	MELILOTUS OFFICINALIS	0.0	0.6	0.0	0.0	0.150
598	SENECIO MULTILOBATUS	0.0	0.0	0.0	1.0	0.250
599	MELILOTUS OFFICINALIS	0.0	0.0	0.0	0.2	0.050

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
600	CHAENACTIS DOUGLASII	2.8	1.8	0.4	0.3	1.325
601	PHYSARIA FLORIBUNDA	1.5	0.0	1.0	0.0	0.625
602	CRYPTANTHA SERICEA	1.9	0.0	5.0	0.0	1.725
603	UNKNOWN FORBS	1.1	0.0	0.0	0.0	0.275

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
604	UNKNOWN FORBS	0	0.8	4.2	0.4	1.350
605	CRUCIFER SPECIES	0	2.7	0.0	0.0	0.675
606	CRYPTANTHA SERICEA	0	2.4	2.1	2.1	1.650
607	PHYSARIA FLORIBUNDA	0	0.0	1.6	0.0	0.400
608	SENECIO MULTILOBATUS	0	0.0	0.7	2.0	0.675

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
609	CHAENACTIS DOUGLASII	0	0	0	2	0.5

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
610	CRYPTANTHA SERICEA	1.7	3.8	6.3	0.0	2.95
611	CRUCIFER SPECIES	1.2	0.0	1.0	0.0	0.55
612	TARAXACUM OFFICINALE	0.0	3.2	0.0	0.0	0.80
613	SENECIO MULTILOBATUS	0.0	1.6	0.0	0.0	0.40
614	UNKNOWN FORBS	0.0	1.3	1.9	0.0	0.80
615	ASTRAGALUS DIVERSIFOLIUS	0.0	0.0	.	1.2	0.30

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
616	CRYPTANTHA SERICEA	3.9	16.0	0.0	0.0	4.975
617	CHAENACTIS DOUGLASII	1.2	1.5	2.7	0.0	1.350
618	PHYSARIA FLORIBUNDA	0.0	2.1	0.0	1.3	0.850
619	UNKNOWN FORBS	0.0	0.0	1.6	0.0	0.400
620	SALSOLA KALI	0.0	0.0	1.2	0.0	0.300

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
621	UNKNOWN FORBS	3.8	0.2	1.0	0.5	1.375
622	SENECIO MULTILOBATUS	1.1	0.0	0.0	0.5	0.400
623	IPOMOPSIS AGGREGATA	0.0	0.1	0.0	0.0	0.025
624	CRYPTANTHA SERICEA	0.0	0.0	1.3	1.1	0.600
625	PHYSARIA FLORIBUNDA	0.0	0.0	0.6	0.0	0.150
626	CHAENACTIS DOUGLASII	0.0	0.0	0.9	0.0	0.225
627	ASTRAGALUS PURSHII	0.0	0.0	0.0	1.2	0.300
628	CRUCIFER SPECIES	0.0	0.0	0.0	0.1	0.025

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

---------- BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
629	UNKNOWN FORBS	5.7	2.6	0.0	0.0	2.075
630	SENECIO MULTILOBATUS	0.6	0.0	0.0	0.0	0.150
631	SALSOLA KALI	0.4	0.0	0.0	0.5	0.225
632	CRYPTANTHA SERICEA	0.0	0.0	11.5	2.4	3.475

---------- BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
633	SENECIO MULTILOBATUS	2.7	0.0	0.0	0.0	0.675
634	CRYPTANTHA SERICEA	13.8	0.0	0.8	2.4	4.250
635	UNKNOWN FORBS	1.0	0.0	0.0	0.0	0.250
636	SALSOLA KALI	1.1	0.0	0.0	0.0	0.275
637	CHAENACTIS DOUGLASII	1.3	0.4	0.0	0.0	0.425
638	CRUCIFER SPECIES	0.0	1.8	0.4	0.0	0.550
639	ASTRAGALUS DIVERSIFOLIUS	0.0	0.0	0.5	0.0	0.125

---------- BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
640	CHAENACTIS DOUGLASII	11.3	0.3	0.0	0.2	2.950
641	PHYSARIA FLORIBUNDA	0.4	0.0	0.0	0.0	0.100
642	SALSOLA KALI	0.3	0.0	0.2	0.0	0.125
643	CRUCIFER SPECIES	0.3	0.0	0.0	0.0	0.075
644	CRYPTANTHA SERICEA	8.3	41.6	0.0	1.6	12.875
645	UNKNOWN FORBS	0.0	3.5	0.0	0.0	0.875
646	ASTRAGALUS PURSHII	0.0	0.0	0.7	0.0	0.175
647	SENECIO MULTILOBATUS	0.0	0.0	2.3	0.0	0.575

RIO BLANCO OIL SHALE COMPANY
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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
648	CHAENACTIS DOUGLASII	1.5	0	0.0	0.0	0.375
649	SALSOLA KALI	0.4	0	0.0	0.0	0.100
650	CHAENACTIS DOUGLASII	0.0	0	0.6	0.0	0.150
651	CRUCIFER SPECIES	0.0	0	0.0	1.4	0.350
652	UNKNOWN FORBS	0.0	0	0.0	3.1	0.775
653	CRYPTANTHA SERICEA	0.0	0	0.0	0.9	0.225

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
654	CHAENACTIS DOUGLASII	0.5	0.8	0.7	1.0	0.750
655	UNKNOWN FORBS	0.0	1.0	0.0	1.9	0.725
656	SALSOLA KALI	0.0	0.0	0.5	0.0	0.125
657	CRYPTANTHA SERICEA	0.0	0.0	1.0	0.0	0.250

BLOCK=3 GR_FRM=FORB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
658	UNKNOWN FORBS	1.9	3.7	0.0	0.0	1.400
659	CRYPTANTHA SERICEA	20.3	1.7	5.4	1.4	7.200
660	SALSOLA KALI	1.2	1.3	0.0	0.0	0.625
661	CHAENACTIS DOUGLASII	1.3	1.0	3.9	0.0	1.550
662	SENECIO MULTILOBATUS	0.0	0.0	2.0	0.0	0.500

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
663	AGROPYRON SPECIES	12.5	26.3	57.0	3.5	24.825
664	ELYMUS CINEREUS	0.5	0.0	0.0	0.0	0.125
665	AGROPYRON TRICHOPHORUM	0.0	1.2	0.0	2.5	0.925
666	STIPA VIRIDULA	0.0	0.9	1.5	0.0	0.600
667	ORYZOPSIS HYMENOIDES	0.0	0.0	0.0	0.5	0.125

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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
668	ORYZOPSIS HYMENOIDES	3.3	2.6	18.5	0.7	6.275
669	AGROPYRON SPECIES	1.1	29.2	8.0	34.9	18.300
670	ELYMUS CINEREUS	0.0	1.3	0.0	0.0	0.325
671	STIPA VIRIDULA	0.0	0.0	0.0	1.4	0.350
672	AGROPYRON TRICHOPHORUM	0.0	0.0	0.0	1.0	0.250

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
673	ORYZOPSIS HYMENOIDES	3.3	0.5	4.7	18.3	6.70
674	AGROPYRON SPECIES	0.8	15.1	14.6	6.1	9.15
675	STIPA VIRIDULA	0.0	2.0	0.8	0.0	0.70

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
676	ORYZOPSIS HYMENOIDES	50.1	46.6	5.5	19.0	30.300
677	AGROPYRON SPECIES	6.8	2.9	5.8	10.9	6.600
678	STIPA VIRIDULA	0.0	0.0	5.9	0.0	1.475

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
679	ORYZOPSIS HYMENOIDES	2.7	0.4	9.4	0.0	3.125
680	AGROPYRON SPECIES	11.5	5.6	3.4	5.6	6.525

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
681	ORYZOPSIS HYMENOIDES	1.9	7.4	20.2	3.6	8.275
682	AGROPYRON SPECIES	8.3	4.3	0.9	15.9	7.350
683	AGROPYRON TRICHOPHORUM	0.0	0.0	0.0	1.6	0.400

RIO BLANCO OIL SHALE COMPANY
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BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
684	AGROPYRON SPECIES	28.9	19.4	18.7	19.4	21.600
685	ORYZOPSIS HYMENOIDES	6.7	1.3	0.0	2.3	2.575
686	STIPA VIRIDULA	3.6	1.4	2.2	1.8	2.250
687	ELYMUS CINEREUS	0.0	0.0	0.5	0.9	0.350

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
688	STIPA VIRIDULA	1.9	2.9	0.0	0.0	1.200
689	AGROPYRON SPECIES	9.3	10.1	1.1	43.5	16.000
690	ORYZOPSIS HYMENOIDES	17.1	0.0	2.4	3.0	5.625
691	ELYMUS CINEREUS	0.0	1.3	0.0	1.4	0.675

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
692	ORYZOPSIS HYMENOIDES	21.2	10.3	0.0	7.1	9.650
693	AGROPYRON TRICHOPHORUM	8.8	0.0	0.0	6.5	3.825
694	AGROPYRON SPECIES	14.3	7.3	0.0	26.5	12.025
695	STIPA VIRIDULA	2.0	1.7	4.1	3.1	2.725

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
696	ORYZOPSIS HYMENOIDES	20.9	4.4	0.4	26.3	13.000
697	AGROPYRON SPECIES	0.8	46.4	34.6	0.2	20.500
698	AGROPYRON TRICHOPHORUM	0.0	0.0	0.0	4.9	1.225

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
699	AGROPYRON SPECIES	45.0	25.8	6.4	0.0	19.300
700	ORYZOPSIS HYMENOIDES	13.4	8.0	0.6	33.7	13.925
701	STIPA VIRIDULA	1.3	6.4	0.0	0.0	1.925
702	AGROPYRON TRICHOPHORUM	0.0	10.8	0.0	0.0	2.700

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
703	ORYZOPSIS HYMENOIDES	14.9	0.0	5.3	7.9	7.025
704	STIPA VIRIDULA	3.8	0.0	0.7	0.0	1.125
705	AGROPYRON SPECIES	12.1	61.8	12.0	5.4	22.825
706	ELYMUS CINEREUS	0.0	2.5	0.0	0.0	0.625

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
707	STIPA VIRIDULA	1.0	0.4	0.0	0.0	0.35
708	AGROPYRON SPECIES	26.8	0.4	42.8	1.6	17.90
709	ORYZOPSIS HYMENOIDES	1.9	6.8	0.1	0.8	2.40

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
710	AGROPYRON SPECIES	23	0.0	33.7	11.6	17.075
711	ORYZOPSIS HYMENOIDES	0	38.1	0.0	0.0	9.525
712	STIPA VIRIDULA	0	0.0	1.7	0.0	0.425

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
713	ORYZOPSIS HYMENOIDES	18.6	2.7	0.5	1.9	5.925
714	STIPA VIRIDULA	3.2	0.0	0.0	0.8	1.000
715	AGROPYRON SPECIES	18.7	32.9	5.5	17.5	18.650

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
716	AGROPYRON SPECIES	15.9	2.5	3.4	28.9	12.675
717	ORYZOPSIS HYMENOIDES	1.2	13.6	1.2	1.3	4.325
718	STIPA VIRIDULA	0.0	1.7	0.0	3.3	1.250

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
719	AGROPYRON CRISTATUM	2.2	0	0	0	0.55

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
720	AGROPYRON CRISTATUM	0	4.4	0.0	1.4	1.45
721	SITANION HYSTRIX	0	0.0	2.2	0.0	0.55

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
722	SITANION HYSTRIX	1.2	0	0	0.0	0.300
723	AGROPYRON CRISTATUM	0.0	0	0	8.3	2.075

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
724	SITANION HYSTRIX	0	0	3.1	0	0.775

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
725	AGROPYRON CRISTATUM	0	6.7	0	0	1.675

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
726	AGROPYRON CRISTATUM	0	0.	0	9.4	2.35

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
727	STIPA COMATA	0	0	0	4	1

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
728	SITANION HYSTRIX	0	0	0	1.9	0.475

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
729	AGROPYRON CRISTATUM	3.8	2.5	0	0.0	1.575
730	STIPA COMATA	0.0	0.0	0	0.9	0.225

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
731	SITANION HYSTRIX	0	0	2.5	0	0.625

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
732	SITANION HYSTRIX	0	0	1.2	0.5	0.425

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
733	AGROPYRON CRISTATUM	1	0.	0	0.7	0.425
734	STIPA COMATA	0	0	0	1.5	0.375

BLOCK=3 GR_FRM=GRASS SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
735	SITANION HYSTRIX	0	1.6	0	0	0.4

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
736	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
737	CERATOIDES LANATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
738	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
739	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
740	PURSHIA TRIDENTATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
741	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
742	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
743	PURSHIA TRIDENTATA	0	0	0	0	0
744	ARTEMISIA TRIDENTATA	0	0	0	0	0

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

---------- BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
745	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
746	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0

---------- BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
747	ATRIPLEX CANESCENS	0	0	0	0	0
748	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
749	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
750	ARTEMISIA TRIDENTATA	0	0	0	0	0

---------- BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
751	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
752	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0

---------- BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
753	PURSHIA TRIDENTATA	0	0	0	0	0
754	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
755	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0

---------- BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
756	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
757	ARTEMISIA TRIDENTATA	0	0	0	0	0
758	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
759	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
760	PURSHIA TRIDENTATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
761	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
762	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
763	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
764	PURSHIA TRIDENTATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
765	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
766	PURSHIA TRIDENTATA	0	0	0	0	0
767	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
768	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
769	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
770	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
771	ATRIPLEX CANESCENS	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=PLANTED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
772	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	0	0
773	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	0	0
774	PURSHIA TRIDENTATA	0	0	0	0	0

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
775	GUTIERREZIA SAROTHRAE	0	0	1.3	0	0.325

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
776	GUTIERREZIA SAROTHRAE	0	0	5.8	0	1.45

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
777	GUTIERREZIA SAROTHRAE	0.8	8.2	0	0	2.25

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
778	GUTIERREZIA SAROTHRAE	0	0	0	2.6	0.65

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
779	GUTIERREZIA SAROTHRAE	7.5	0	0	0	1.875

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
780	GUTIERREZIA SAROTHRAE	0	28.9	0	0	7.225

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
781	GUTIERREZIA SAROTHRAE	0	0	0	7.1	1.775

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
782	GUTIERREZIA SAROTHRAE	0	6.3	0	0	1.575

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
783	GUTIERREZIA SAROTHRAE	0	0	2.4	0	0.6

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
784	GUTIERREZIA SAROTHRAE	0.4	0	0	0	0.1

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

BIOMASS CONCENTRATIONS FOR SPECIES SAMPLED IN SITE R-2 IN 1981

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
785	GUTIERREZIA SAROTHRAE	3.3	26.2	0	0	7.375

BLOCK=3 GR_FRM=SHRUB SPS_TYPE=INVADED MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_BM
786	GUTIERREZIA SAROTHRAE	0	0	4.5	0	1.125

APPENDIX 6-1.4

Analyses for Plot R-2 Experimental Revegetation Data

Results of three-way ANOVA's comparing grass, forb and shrub data (arcsine transformed cover estimates) for Experimental Revegetation Plot R-2. Analyses correspond to those summarized on Table 6-26.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 127

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	0.70702881	0.01504317
ERROR	79	1.02098637	0.01292388
CORRECTED TOTAL	126	1.72801518	

MODEL F =	1.16		PR > F = 0.2722

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.409157	101.1263	0.11368324	0.11241712

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.01608970	0.62	0.5392
MULCH	3	0.04683261	1.21	0.3122
FERTILIZ	3	0.01347473	0.35	0.7934
BLOCK*MULCH	6	0.07518333	0.97	0.4514
BLOCK*FERTILIZ	6	0.07767695	1.00	0.4303
MULCH*FERTILIZ	9	0.10565048	0.91	0.5231
BLOCK*MULCH*FERTILIZ	18	0.37212101	1.60	0.0804

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 244

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	0.02718721	0.00057845
ERROR	196	0.15085653	0.00076968
CORRECTED TOTAL	243	0.17804374	

MODEL F =	0.75		PR > F = 0.8764

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.152700	97.4663	0.02774304	0.02846422

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00244874	1.59	0.2064
MULCH	3	0.00239599	1.04	0.3779
FERTILIZ	3	0.00037528	0.16	0.9186
BLOCK*MULCH	6	0.00534829	1.16	0.3304
BLOCK*FERTILIZ	6	0.00241516	0.52	0.7905
MULCH*FERTILIZ	9	0.00604754	0.87	0.5512
BLOCK*MULCH*FERTILIZ	18	0.00815621	0.59	0.9052

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 203

EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2

THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981

GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	0.33735829	0.00717784
ERROR	155	2.22493764	0.01435444
CORRECTED TOTAL	202	2.56229594	

MODEL F =	0.50		PR > F = 0.9965

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.131663	105.7421	0.11981000	0.11330401

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.08543648	2.98	0.0539
MULCH	3	0.01882003	0.44	0.7305
FERTILIZ	3	0.01493454	0.35	0.7940
BLOCK*MULCH	6	0.01687057	0.20	0.9776
BLOCK*FERTILIZ	6	0.03848828	0.45	0.8463
MULCH*FERTILIZ	9	0.05876174	0.45	0.9028
BLOCK*MULCH*FERTILIZ	18	0.10404666	0.40	0.9858

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 78

EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2

THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981

GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	43	0.06396095	0.00148746
ERROR	34	0.03367781	0.00099052
CORRECTED TOTAL	77	0.09763876	

MODEL F = 1.50 PR > F = 0.1116

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.655077	107.9636	0.03147259	0.02915112

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00604781	3.05	0.0603
MULCH	3	0.00331180	1.11	0.3568
FERTILIZ	3	0.00196408	0.66	0.5818
BLOCK*MULCH	6	0.00199598	0.34	0.9131
BLOCK*FERTILIZ	6	0.00242059	0.41	0.8690
MULCH*FERTILIZ	9	0.02347999	2.63	0.0198
BLOCK*MULCH*FERTILIZ	14	0.02474071	1.78	0.0835

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 110

EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2

THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981

GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	46	0.43145367	0.00937943
ERROR	63	1.40371334	0.02228116
CORRECTED TOTAL	109	1.83516702	

MODEL F =	0.42		PR > F = 0.9987

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.235103	150.2129	0.14926876	0.09937145

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.01261271	0.28	0.7544
MULCH	3	0.08421296	1.26	0.2955
FERTILIZ	3	0.01436220	0.21	0.8847
BLOCK*MULCH	6	0.13578650	1.02	0.4234
BLOCK*FERTILIZ	6	0.05594540	0.42	0.8640
MULCH*FERTILIZ	9	0.02487103	0.12	0.9986
BLOCK*MULCH*FERTILIZ	17	0.10366287	0.27	0.9976

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=SHRUB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 24

EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE WAY ANALYSIS OF VARIANCE FOR COVER ESTIMATES - 1981
GR_FRM=SHRUB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	23	0.02290727	0.00099597
ERROR	0	0.00000000	0.00000000
CORRECTED TOTAL	23	0.02290727	

MODEL F = 99999.99 PR > F = 0.0000

R-SQUARE	C.V.	STD DEV	ASPC MEAN
1.000000	0.0000	0.00000000	0.03586776

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00458189	.	.
MULCH	3	0.00215077	.	.
FERTILIZ	3	0.00574169	.	.
BLOCK*MULCH	4	0.00455271	.	.
BLOCK*FERTILIZ	6	0.00165877	.	.
MULCH*FERTILIZ	5	0.00422143	.	.
BLOCK*MULCH*FERTILIZ	0	0.00000000	.	.

Results of a one-way ANOVA comparing grass, forb and shrub data (arcsine transformed cover estimates) among years for Experimental Revegetation Plot R-2. Analyses correspond to those summarized on Table 6-27.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	76 77 78 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 730

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	4	1.27788716	0.31947179
ERROR	725	3.83696819	0.00529237
CORRECTED TOTAL	729	5.11485535	

MODEL F =	60.36		PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.249838	113.2827	0.07274868	0.06421871

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	1.27788716	60.36	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	76 77 78 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 1004

EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	4	1.55497714	0.38874428
ERROR	999	8.19717861	0.00820538
CORRECTED TOTAL	1003	9.75215575	

MODEL F =	47.38		PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.159450	96.5795	0.09058357	0.09379175

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	1.55497714	47.38	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	76 77 78 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 641

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	4	0.74317670	0.18579418
ERROR	636	5.21978474	0.00820721
CORRECTED TOTAL	640	5.96296144	

MODEL F =	22.64		PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.124632	145.9726	0.09059365	0.06206210

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	0.74317670	22.64	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - 5-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	76 77 78 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 850

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - P-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	4	11.95740930	2.98935233
ERROR	845	54.65501840	0.06468050
CORRECTED TOTAL	849	66.61242771	

MODEL F =	46.22		PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.179507	207.2471	0.25432360	0.12271515

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	11.95740930	46.22	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	76 77 78 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 173

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	4	0.29132728	0.07283182
ERROR	168	0.58846956	0.00350280
CORRECTED TOTAL	172	0.87979685	

MODEL F =	20.79		PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.331130	111.6417	0.05918442	0.05301282

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	0.29132728	20.79	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	2	80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 26

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
BETWEEN YEARS BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	1	0.00449893	0.00449893
ERROR	24	0.02900764	0.00120865
CORRECTED TOTAL	25	0.03350657	

MODEL F =	3.72		PR > F = 0.0656

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.134270	87.6480	0.03476567	0.03966508

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	1	0.00449893	3.72	0.0656

Results of three-way ANOVA's comparing grass, forb and shrub data (arcsine transformed cover estimates) among years for Experimental Revegetation Plot R-2. Analyses correspond to those summarized on Table 6-30.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - E-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
CR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 720

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - P-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
CR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	0.55708204	0.01185281
ERROR	682	4.55777331	0.00668295
CORRECTED TOTAL	729	5.11485535	

MODEL F =	1.77		PR > F = 0.0015

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.108915	127.2983	0.08174932	0.06421871

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00537913	0.40	0.6688
MULCH	3	0.01370425	0.68	0.5660
FERTILIZ	3	0.01944637	0.97	0.4078
BLOCK*MULCH	6	0.07567250	1.89	0.0806
BLOCK*FERTILIZ	6	0.03367436	0.84	0.5395
MULCH*FERTILIZ	9	0.07948254	1.32	0.2211
BLOCK*MULCH*FERTILIZ	18	0.32972290	2.74	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 850

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=FOR2 SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	4.40963872	0.09382210
ERROR	802	62.20278898	0.07755959
CORRECTED TOTAL	849	66.61242771	

MODEL F = 1.21 PR > F = 0.1623

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.066198	226.9445	0.27849522	0.12271515

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.38640790	2.49	0.0835
MULCH	3	1.29601970	5.57	0.0010
FERTILIZ	3	0.59860004	2.57	0.0520
BLOCK*MULCH	6	0.42807729	0.92	0.4798
BLOCK*FERTILIZ	6	0.31749309	0.68	0.6641
MULCH*FERTILIZ	9	0.85198427	1.22	0.2781
BLOCK*MULCH*FERTILIZ	18	0.53105643	0.38	0.9911

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - P-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 1004

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	0.45309146	0.00964003
ERROR	956	9.29907429	0.00972707
CORRECTED TOTAL	1003	9.75215575	

MODEL F =	0.99		PR > F = 0.4915

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.046460	105.1541	0.09862588	0.09379175

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.07972295	4.10	0.0169
MULCH	3	0.04671165	1.60	0.1859
FERTILIZ	3	0.01193454	0.41	0.7501
BLOCK*MULCH	6	0.03736311	0.64	0.6981
BLOCK*FERTILIZ	6	0.06046189	1.04	0.4002
MULCH*FERTILIZ	9	0.08091576	0.92	0.5036
BLOCK*MULCH*FERTILIZ	18	0.13597166	0.78	0.7295

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 173

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	46	0.22225420	0.00483161
ERROR	126	0.65754264	0.00521859
CORRECTED TOTAL	172	0.87979685	

MODEL F = 0.93 PR > F = 0.6085

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.252620	136.2686	0.07223983	0.05301282

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00397044	0.38	0.6844
MULCH	3	0.12024626	7.68	0.0001
FERTILIZ	3	0.00860454	0.55	0.6534
BLOCK*MULCH	6	0.01668502	0.53	0.7824
BLOCK*FERTILIZ	6	0.01559032	0.50	0.8090
MULCH*FERTILIZ	9	0.02453925	0.52	0.8567
BLOCK*MULCH*FERTILIZ	17	0.03261837	0.37	0.9892

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 641

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	0.78149992	0.01662766
ERROR	593	5.18146152	0.00873771
CORRECTED TOTAL	640	5.96296144	

MODEL F =	1.90		PR > F = 0.0004

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.131059	150.6164	0.09347571	0.06206210

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.02507760	1.44	0.2389
MULCH	3	0.30745079	11.73	0.0001
FERTILIZ	3	0.01119791	0.43	0.7373
BLOCK*MULCH	6	0.21209984	4.05	0.0006
BLOCK*FERTILIZ	6	0.05683519	1.08	0.3705
MULCH*FERTILIZ	9	0.03321189	0.42	0.9233
BLOCK*MULCH*FERTILIZ	18	0.13562670	0.86	0.6254

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
CR_FRM=SHRUB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 26

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING COVER ESTIMATES
FOR ALL YEARS SAMPLED
GR_FRM=SHRUB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	24	0.03102820	0.00129284
ERROR	1	0.00247837	0.00247837
CORRECTED TOTAL	25	0.03350657	

MODEL F =	0.52	PR > F =	0.8211

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.926033	125.5090	0.04978323	0.03966508

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.01003279	2.02	0.4451
MULCH	3	0.00250161	0.34	0.8168
FERTILIZ	3	0.00510299	0.69	0.6861
BLOCK*MULCH	4	0.00579452	0.58	0.7390
BLOCK*FERTILIZ	6	0.00334987	0.23	0.9203
MULCH*FERTILIZ	6	0.00424643	0.29	0.8895
BLOCK*MULCH*FERTILIZ	0	0.00000000	.	.

Results of three-way ANOVA's comparing grass, forb and shrub biomass data for Experimental Revegetation Plot R-2. Analyses correspond to those summarized on Table 6-37.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS FOR 1981
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 127

TE: ALL DEPENDENT VARIABLES ARE CONSISTENT WITH RESPECT TO THE
PRESENCE OR ABSENCE OF MISSING VALUES. HOWEVER, ONLY 126
OBSERVATIONS IN BY GROUP CAN BE USED IN THIS ANALYSIS.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS FOR 1981
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	40223.31942063	855.81530682
ERROR	78	57260.63716667	734.11073291
CORRECTED TOTAL	125	97483.95658730	

MODEL F = 1.17 PR > F = 0.2708

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.412615	118.4849	27.09447790	22.86746032

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	87.93952989	0.06	0.9419
MULCH	3	5311.76277953	2.41	0.0719
FERTILIZ	3	1020.78624069	0.46	0.7124
BLOCK*MULCH	6	4771.09713268	1.08	0.3799
BLOCK*FERTILIZ	6	3869.14600909	0.88	0.5148
MULCH*FERTILIZ	9	6065.05116903	0.92	0.5150
BLOCK*MULCH*FERTILIZ	18	19097.53655973	1.45	0.1348

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS FOR 1981
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 244

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS FOR 1981
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	1801.62351678	38.33241525
ERROR	196	12012.91976190	61.29040695
CORRECTED TOTAL	243	13814.54327869	

MODEL F = 0.63 PR > F = 0.9708

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.130415	189.5071	7.82881900	4.13114754

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	249.04375943	2.03	0.1339
MULCH	3	236.18858734	1.28	0.2802
FERTILIZ	3	121.39172679	0.66	0.5813
BLOCK*MULCH	6	289.41911360	0.79	0.5811
BLOCK*FERTILIZ	6	134.50078294	0.37	0.9000
MULCH*FERTILIZ	9	231.61941522	0.42	0.9234
BLOCK*MULCH*FERTILIZ	18	539.46013147	0.49	0.9607

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS FOR 1981
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 244

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS FOR 1981
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	1801.62351678	38.33241525
ERROR	196	12012.91976190	61.29040695
CORRECTED TOTAL	243	13814.54327869	

MODEL F = 0.63 PR > F = 0.9708

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.130415	189.5071	7.82881900	4.13114754

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	249.04375943	2.03	0.1339
MULCH	3	236.18858734	1.28	0.2802
FERTILIZ	3	121.39172679	0.66	0.5813
BLOCK*MULCH	6	289.41911360	0.79	0.5811
BLOCK*FERTILIZ	6	134.50078294	0.37	0.9000
MULCH*FERTILIZ	9	231.61941522	0.42	0.9234
BLOCK*MULCH*FERTILIZ	18	539.46013147	0.49	0.9607

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS FOR 1981
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 203

NOTE: ALL DEPENDENT VARIABLES ARE CONSISTENT WITH RESPECT TO THE PRESENCE OR ABSENCE OF MISSING VALUES. HOWEVER, ONLY 201 OBSERVATIONS IN BY GROUP CAN BE USED IN THIS ANALYSIS.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS FOR 1981
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	18945.76842857	403.10145593
ERROR	153	158235.71823810	1034.22038064
CORRECTED TOTAL	200	177181.48666667	

MODEL F =	0.39		PR > F = 0.9998

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.106929	124.4876	32.15929696	25.83333333

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	1106.69769303	0.54	0.5867
MULCH	3	4459.69298978	1.44	0.2329
FERTILIZ	3	1347.21382368	0.43	0.7325
BLOCK*MULCH	6	917.35819004	0.15	0.9893
BLOCK*FERTILIZ	6	1538.16528805	0.25	0.9595
MULCH*FERTILIZ	9	3032.62259834	0.33	0.9648
BLOCK*MULCH*FERTILIZ	18	6544.01784564	0.35	0.9936

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS FOR 1981
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 78

EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2

THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS FOR 1981

GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	43	2708.96371795	62.99915623
ERROR	34	612.86000000	18.02529412
CORRECTED TOTAL	77	3321.82371795	

MODEL F = 3.50 PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.815505	90.5052	4.24562058	4.69102564

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	121.15871795	3.36	0.0466
MULCH	3	159.04222114	2.94	0.0469
FERTILIZ	3	125.57667505	2.32	0.0925
BLOCK*MULCH	6	161.37582451	1.49	0.2104
BLOCK*FERTILIZ	6	216.21321348	2.00	0.0931
MULCH*FERTILIZ	9	868.57902836	5.35	0.0001
BLOCK*MULCH*FERTILIZ	14	1057.01803745	4.19	0.0003

Results of a one-way ANOVA comparing grass and forb biomass data between years on Experimental Revegetation Plot R-2. Analyses correspond to those summarized on Table 6-39.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	2	78 81

NUMBER OF OBSERVATIONS IN BY GROUP = 242

NOTE: ALL DEPENDENT VARIABLES ARE CONSISTENT WITH RESPECT TO THE PRESENCE OR ABSENCE OF MISSING VALUES. HOWEVER, ONLY 241 OBSERVATIONS IN BY GROUP CAN BE USED IN THIS ANALYSIS.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	1	29899.57376694	29899.57376694
ERROR	239	96689.44208368	404.55833508
CORRECTED TOTAL	240	126589.01585062	

MODEL F =	73.91		PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.236194	162.2610	20.11363555	12.39585062

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	1	29899.57376694	73.91	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	2	78 81

NUMBER OF OBSERVATIONS IN BY GROUP = 384

NOTE: ALL DEPENDENT VARIABLES ARE CONSISTENT WITH RESPECT TO THE PRESENCE OR ABSENCE OF MISSING VALUES. HOWEVER, ONLY 382 OBSERVATIONS IN BY GROUP CAN BE USED IN THIS ANALYSIS.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
BY GROWTH FORM FOR PLANTED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	1	53468.98522737	53468.98522737
ERROR	380	176977.78820195	465.73102158
CORRECTED TOTAL	381	230446.77342932	

MODEL F =	114.81		PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.232023	145.5613	21.58080215	14.82591623

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	1	53468.98522737	114.81	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING ALL YEARS
BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	2	78 81

NUMBER OF OBSERVATIONS IN BY GROUP = 341

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING ALL YEARS
BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	1	566.84980007	566.84980007
ERROR	339	23140.99846972	68.26253236
CORRECTED TOTAL	340	23707.84826979	

MODEL F =	8.30		PR > F = 0.0042

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.023910	169.0395	8.26211428	4.88768328

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	1	566.84980007	8.30	0.0042

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING ALL YEARS
BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	2	78 81

NUMBER OF OBSERVATIONS IN BY GROUP = 89

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
ONE-WAY ANALYSIS OF VARIANCE COMPARING ALL YEARS
BY GROWTH FORM FOR INVADED SPECIES
GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	1	530.22589597	530.22589597
ERROR	87	3107.29387931	35.71602160
CORRECTED TOTAL	88	3637.51977528	

MODEL F =	14.85		PR > F = 0.0002

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.145766	156.1167	5.97628828	3.82808989

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	1	530.22589597	14.85	0.0002

Results of three-way ANOVA's comparing grass and forb biomass data between years for Experimental Revegetation Plot R-2. Analyses correspond to those summarized on Table 6-41.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 242

NOTE: ALL DEPENDENT VARIABLES ARE CONSISTENT WITH RESPECT TO THE PRESENCE OR ABSENCE OF MISSING VALUES. HOWEVER, ONLY 241 OBSERVATIONS IN BY GROUP CAN BE USED IN THIS ANALYSIS.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	18458.44737443	392.73292286
ERROR	193	108130.56847619	560.26201283
CORRECTED TOTAL	240	126589.01585062	

MODEL F = 0.70 PR > F = 0.9248

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.145814	190.9498	23.66985452	12.39585062

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	10.54622326	0.01	0.9906
MULCH	3	1999.59035589	1.19	0.3147
FERTILIZ	3	393.42592147	0.23	0.8722
BLOCK*MULCH	6	1630.62587871	0.49	0.8190
BLOCK*FERTILIZ	6	1510.05197341	0.45	0.8449
MULCH*FERTILIZ	9	2992.98982216	0.59	0.8025
BLOCK*MULCH*FERTILIZ	18	9921.21719952	0.98	0.4800

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 341

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	3165.87287225	67.35899728
ERROR	293	20541.97539755	70.10913105
CORRECTED TOTAL	340	23707.84826979	

MODEL F =	0.96		PR > F = 0.5499

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.133537	171.3106	8.37311955	4.88768328

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	157.41278853	1.12	0.3268
MULCH	3	1001.45987411	4.76	0.0031
FERTILIZ	3	402.00633362	1.91	0.1260
BLOCK*MULCH	6	257.49150838	0.61	0.7206
BLOCK*FERTILIZ	6	188.50175310	0.45	0.8461
MULCH*FERTILIZ	9	393.75758170	0.62	0.7776
BLOCK*MULCH*FERTILIZ	18	765.24303282	0.61	0.8941

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 384

NOTE: ALL DEPENDENT VARIABLES ARE CONSISTENT WITH RESPECT TO THE PRESENCE OR ABSENCE OF MISSING VALUES. HOWEVER, ONLY 382 OBSERVATIONS IN BY GROUP CAN BE USED IN THIS ANALYSIS.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	47	8902.48271576	189.41452587
ERROR	334	221544.29071356	663.30625962
CORRECTED TOTAL	381	230446.77342932	

MODEL F =	0.29		PR > F = 1.0000

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.038631	173.7143	25.75473276	14.82591623

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	613.00237729	0.46	0.6304
MULCH	3	1621.31773766	0.81	0.4891
FERTILIZ	3	865.32867783	0.43	0.7319
BLOCK*MULCH	6	742.95907653	0.19	0.9804
BLOCK*FERTILIZ	6	821.84318248	0.21	0.9747
MULCH*FERTILIZ	9	1384.16572680	0.23	0.9889
BLOCK*MULCH*FERTILIZ	18	2853.86593716	0.24	0.9995

RIO BLANCO OIL SHALE COMPANY
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THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 89

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-2
THREE-WAY ANALYSIS OF VARIANCE COMPARING BIOMASS
FOR ALL YEARS COMBINED
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	38	2831.06644195	74.50174847
ERROR	50	806.45333333	16.12906667
CORRECTED TOTAL	88	3637.51977528	

MODEL F = 4.62 PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	BIOMASS MEAN
0.778296	104.9114	4.01610093	3.82808989

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	260.94459461	8.09	0.0009
MULCH	3	193.71325686	4.00	0.0125
FERTILIZ	3	57.46581452	1.19	0.3239
BLOCK*MULCH	6	182.53059814	1.89	0.1016
BLOCK*FERTILIZ	6	187.75713016	1.94	0.0924
MULCH*FERTILIZ	9	939.67525474	6.47	0.0001
BLOCK*MULCH*FERTILIZ	9	1008.97979293	6.95	0.0001

APPENDIX 6-1.5

Plot R-3 Experimental Revegetation Data

Cover data (%) for species occurring within treatment combinations on Experimental Revegetation Plot R-3.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
1	AGROPYRON SPECIES	GRASS	8	17	7	10.6667
2	AGROPYRON SPECIES	GRASS	5	13	8	8.6667
3	AGROPYRON TRICHOPHORUM	GRASS	3	1	7	3.6667
4	AGROPYRON TRICHOPHORUM	GRASS	5	7	4	5.3333
5	ASTRAGALUS CICER	FORB	36	5	21	20.6667
6	ASTRAGALUS CICER	FORB	14	1	2	5.6667
7	BROMUS INERMIS	GRASS	3	1	2	2.0000
8	BROMUS INERMIS	GRASS	2	2	4	2.6667
9	CERATOIDES LANATA	SHRUB	0	2	0	0.6667
10	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	0	0	17	5.6667
11	KOCHIA PROSTRATA	SHRUB	1	0	0	0.3333
12	MELILOTUS OFFICINALIS	FORB	1	1	2	1.3333
13	MELILOTUS OFFICINALIS	FORB	0	0	1	0.3333
14	ORYZOPSIS HYMENOIDES	GRASS	1	0	5	2.0000
15	STIPA VIRIDULA	GRASS	3	0	2	1.6667
16	STIPA VIRIDULA	GRASS	0	2	2	1.3333

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
17	AGROPYRON CRISTATUM	GRASS	1	0	0	0.33333
18	AGROPYRON CRISTATUM	GRASS	4	6	0	3.33333
19	ASTRAGALUS PURSHII	FORB	1	0	0	0.33333
20	BROMUS TECTORUM	GRASS	9	9	3	7.00000
21	BROMUS TECTORUM	GRASS	2	9	1	4.00000
22	CHRYSOTHAMNUS VISIDIFLORUS	SHRUB	1	0	0	0.33333
23	GUTIERREZIA SAROTHRAE	SHRUB	0	0	1	0.33333

--------- SUBSTRAT=NO PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=PLANTED ---------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
24	AGROPYRON SPECIES	GRASS	4	5	0	3.0000
25	AGROPYRON SPECIES	GRASS	7	7	7	7.0000
26	AGROPYRON TRICHOPHORUM	GRASS	9	1	5	5.0000
27	AGROPYRON TRICHOPHORUM	GRASS	2	1	2	1.6667
28	ASTRAGALUS CICER	FORB	22	16	15	17.6667
29	ASTRAGALUS CICER	FORB	13	26	11	16.6667
30	BROMUS INERMIS	GRASS	0	1	0	0.3333
31	BROMUS INERMIS	GRASS	0	3	0	1.0000
32	MELILOTUS OFFICINALIS	FORB	0	0	1	0.3333
33	MELILOTUS OFFICINALIS	FORB	0	0	1	0.3333
34	ORYZOPSIS HYMENOIDES	GRASS	0	1	0	0.3333

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

--------- SUBSTRAT=NO PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=PLANTED ---------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
35	ORYZOPSIS HYMENOIDES	GRASS	2	0	7	3.00000
36	PURSHIA TRIDENTATA	SHRUB	1	0	0	0.33333
37	STIPA VIRIDULA	GRASS	3	11	4	6.00000

--------- SUBSTRAT=NO PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=INVADED ---------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
38	AGROPYRON CRISTATUM	GRASS	6	6	11	7.66667
39	AGROPYRON CRISTATUM	GRASS	7	7	0	4.66667
40	ASTRAGALUS PURSHII	FORB	1	0	0	0.33333
41	ASTRAGALUS PURSHII	FORB	0	0	1	0.33333
42	BROMUS TECTORUM	GRASS	0	11	2	4.33333
43	BROMUS TECTORUM	GRASS	1	0	0	0.33333
44	CRYPTANTHA SERICEA	FORB	0	1	3	1.33333
45	PHYSARIA FLORIBUNDA	FORB	1	0	1	0.66667
46	SISYMBRIUM LINIFOLIUM	FORB	0	0	1	0.33333
47	SPHAERALCEA COCCINEA	FORB	0	3	0	1.00000

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=NO MULCH SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
48	AGROPYRON SPECIES	GRASS	10	8	8	8.66667
49	AGROPYRON SPECIES	GRASS	11	0	8	6.33333
50	AGROPYRON SPECIES	GRASS	0	9	0	3.00000
51	AGROPYRON TRICHOPHORUM	GRASS	5	9	1	5.00000
52	AGROPYRON TRICHOPHORUM	GRASS	2	2	10	4.66667
53	ASTRAGALUS CICER	FORB	4	13	0	5.66667
54	ASTRAGALUS CICER	FORB	11	6	2	6.33333
55	ATRIPLEX CANESCENS	SHRUB	0	0	8	2.66667
56	BROMUS INERMIS	GRASS	3	3	6	4.00000
57	BROMUS INERMIS	GRASS	3	2	2	2.33333
58	CERATOIDES LANATA	SHRUB	6	0	1	2.33333
59	KOCHIA PROSTRATA	SHRUB	0	4	0	1.33333
60	LINUM LEWISII	FORB	0	1	0	0.33333
61	LINUM LEWISII	FORB	0	0	2	0.66667
62	MELILOTUS OFFICINALIS	FORB	0	1	0	0.33333
63	MELILOTUS OFFICINALIS	FORB	1	0	1	0.66667
64	ORYZOPSIS HYMENOIDES	GRASS	0	0	3	1.00000
65	ORYZOPSIS HYMENOIDES	GRASS	0	0	1	0.33333
66	PURSHIA TRIDENTATA	SHRUB	0	1	0	0.33333
67	STIPA VIRIDULA	GRASS	3	1	2	2.00000
68	STIPA VIRIDULA	GRASS	1	1	2	1.33333

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=NO MULCH SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
69	BROMUS TECTORUM	GRASS	1	1	7	3.00000
70	BROMUS TECTORUM	GRASS	1	6	1	2.66667
71	CHAENACTIS DOUGLASII	FORB	0	1	0	0.33333
72	GUTIERREZIA SAROTHRAE	SHRUB	0	2	0	0.66667
73	POA SPECIES	GRASS	2	0	0	0.66667
74	POA SPECIES	GRASS	3	0	0	1.00000
75	UNKNOWN FORBS	FORB	0	1	0	0.33333

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
76	AGROPYRON SPECIES	GRASS	6	12	11	9.6667
77	AGROPYRON SPECIES	GRASS	18	9	18	15.0000
78	AGROPYRON TRICHOPHORUM	GRASS	10	2	2	4.6667
79	AGROPYRON TRICHOPHORUM	GRASS	3	2	5	3.3333
80	ASTRAGALUS CICER	FORB	5	0	13	6.0000
81	ASTRAGALUS CICER	FORB	0	12	16	9.3333
82	ATRIPLEX CANESCENS	SHRUB	0	2	0	0.6667
83	BROMUS INERMIS	GRASS	3	5	4	4.0000
84	BROMUS INERMIS	GRASS	3	3	2	2.6667
85	CERATOIDES LANATA	SHRUB	1	8	0	3.0000
86	CERATOIDES LANATA	SHRUB	4	6	1	3.6667
87	LINUM LEWISII	FORB	0	0	3	1.0000
88	MELILOTUS OFFICINALIS	FORB	0	1	0	0.3333
89	ORYZOPSIS HYMENOIDES	GRASS	0	1	1	0.6667
90	ORYZOPSIS HYMENOIDES	GRASS	4	0	0	1.3333
91	STIPA VIRIDULA	GRASS	2	1	2	1.6667
92	STIPA VIRIDULA	GRASS	2	11	2	5.0000

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
93	AGROPYRON CRISTATUM	GRASS	2	3	3	2.66667
94	BROMUS TECTORUM	GRASS	1	1	0	0.66667
95	BROMUS TECTORUM	GRASS	0	1	1	0.66667
96	PENSTEMON SPECIES	FORB	0	1	0	0.33333
97	POA SPECIES	GRASS	1	0	0	0.33333

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

------- SUBSTRAT=NO PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=PLANTED --------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
98	AGROPYRON SPECIES	GRASS	18	7	6	10.3333
99	AGROPYRON SPECIES	GRASS	15	4	6	8.3333
100	AGROPYRON TRICHOPHORUM	GRASS	2	4	8	4.6667
101	AGROPYRON TRICHOPHORUM	GRASS	5	9	6	6.6667
102	ASTRAGALUS CICER	FORB	3	3	2	2.6667
103	ASTRAGALUS CICER	FORB	9	0	12	7.0000
104	BROMUS INERMIS	GRASS	2	1	0	1.0000
105	BROMUS INERMIS	GRASS	2	3	2	2.3333
106	CERATOIDES LANATA	SHRUB	4	2	13	6.3333
107	CERATOIDES LANATA	SHRUB	8	5	11	8.0000
108	KOCHIA PROSTRATA	SHRUB	0	4	0	1.3333
109	LINUM LEWISII	FORB	0	1	0	0.3333
110	MELILOTUS OFFICINALIS	FORB	1	1	1	1.0000
111	ORYZOPSIS HYMENOIDES	GRASS	0	10	5	5.0000
112	ORYZOPSIS HYMENOIDES	GRASS	4	2	0	2.0000
113	PENSTEMON STRICTUS	FORB	0	12	0	4.0000
114	PURSHIA TRIDENTATA	SHRUB	0	0	1	0.3333
115	STIPA VIRIDULA	GRASS	6	0	0	2.0000
116	STIPA VIRIDULA	GRASS	0	1	4	1.6667

------- SUBSTRAT=NO PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=INVADED --------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
117	AGROPYRON CRISTATUM	GRASS	0	1	0	0.33333
118	AGROPYRON CRISTATUM	GRASS	0	0	2	0.66667
119	BROMUS TECTORUM	GRASS	2	1	2	1.66667
120	BROMUS TECTORUM	GRASS	0	0	2	0.66667
121	CRYPTANTHA SERICEA	FORB	0	0	1	0.33333
122	GUTIERREZIA SAROTHRAE	SHRUB	1	0	0	0.33333
123	POA SPECIES	GRASS	0	0	1	0.33333
124	SITANION HYSTRIX	GRASS	1	3	0	1.33333
125	UNKNOWN FORBS	FORB	1	0	0	0.33333

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=NO MULCH SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
126	AGROPYRON SPECIES	GRASS	20	13	6	13.0000
127	AGROPYRON SPECIES	GRASS	8	4	9	7.0000
128	AGROPYRON TRICHOPHORUM	GRASS	4	6	3	4.3333
129	AGROPYRON TRICHOPHORUM	GRASS	6	1	6	4.3333
130	ASTRAGALUS CICER	FORB	5	3	16	8.0000
131	ASTRAGALUS CICER	FORB	9	24	5	12.6667
132	ATRIPLEX CANESCENS	SHRUB	0	0	1	0.3333
133	BROMUS INERMIS	GRASS	2	1	0	1.0000
134	BROMUS INERMIS	GRASS	1	3	2	2.0000
135	CERATOIDES LANATA	SHRUB	8	3	0	3.6667
136	CERATOIDES LANATA	SHRUB	1	2	2	1.6667
137	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	0	0	9	3.0000
138	MELILOTUS OFFICINALIS	FORB	1	2	0	1.0000
139	MELILOTUS OFFICINALIS	FORB	1	0	1	0.6667
140	ORYZOPSIS HYMENOIDES	GRASS	0	2	0	0.6667
141	ORYZOPSIS HYMENOIDES	GRASS	0	3	0	1.0000
142	PURSHIA TRIDENTATA	SHRUB	1	0	0	0.3333
143	STIPA VIRIDULA	GRASS	2	0	2	1.3333
144	STIPA VIRIDULA	GRASS	0	2	0	0.6667

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=NO MULCH SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
145	BROMUS TECTORUM	GRASS	0	1	0	0.33333
146	BROMUS TECTORUM	GRASS	1	1	1	1.00000
147	CRYPTANTHA SERICEA	FORB	0	1	0	0.33333
148	GUTIERREZIA SAROTHRAE	SHRUB	8	0	0	2.66667
149	POA SPECIES	GRASS	0	0	1	0.33333
150	SITANION HYSTRIX	GRASS	0	7	1	2.66667
151	SPHAERALCEA COCCINEA	FORB	0	0	1	0.33333

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
152	AGROPYRON SPECIES	GRASS	10	19	16	15.0000
153	AGROPYRON SPECIES	GRASS	12	0	11	7.6667
154	AGROPYRON TRICHOPHORUM	GRASS	6	3	9	6.0000
155	AGROPYRON TRICHOPHORUM	GRASS	4	13	5	7.3333
156	ASTRAGALUS CICER	FORB	26	4	4	11.3333
157	ASTRAGALUS CICER	FORB	4	7	3	4.6667
158	ATRIPLEX CANESCENS	SHRUB	2	6	0	2.6667
159	BROMUS INERMIS	GRASS	4	2	6	4.0000

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
160	BROMUS INERMIS	GRASS	4	2	4	3.33333
161	CERATOIDES LANATA	SHRUB	0	2	2	1.33333
162	CERATOIDES LANATA	SHRUB	3	2	9	4.66667
163	LINUM LEWISII	FORB	0	0	2	0.66667
164	MELILOTUS OFFICINALIS	FORB	1	0	2	1.00000
165	MELILOTUS OFFICINALIS	FORB	0	0	2	0.66667
166	ORYZOPSIS HYMENOIDES	GRASS	2	0	0	0.66667
167	ORYZOPSIS HYMENOIDES	GRASS	0	1	0	0.33333
168	PURSHIA TRIDENTATA	SHRUB	0	2	1	1.00000
169	STIPA VIRIDULA	GRASS	0	1	0	0.33333
170	STIPA VIRIDULA	GRASS	0	3	0	1.00000

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
171	AGROPYRON CRISTATUM	GRASS	0	0	2	0.666667
172	BROMUS TECTORUM	GRASS	1	0	0	0.333333
173	CHAENACTIS DOUGLASII	FORB	1	0	0	0.333333
174	GUTIERREZIA SAROTHRAE	SHRUB	0	0	1	0.333333
175	POA SPECIES	GRASS	0	0	1	0.333333

-------- SUBSTRAT=NO PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=PLANTED ---------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
176	AGROPYRON SPECIES	GRASS	18	22	20	20.0000
177	AGROPYRON SPECIES	GRASS	14	21	13	16.0000
178	AGROPYRON TRICHOPHORUM	GRASS	11	6	4	7.0000
179	AGROPYRON TRICHOPHORUM	GRASS	5	3	4	4.0000
180	ASTRAGALUS CICER	FORB	3	0	1	1.3333
181	ASTRAGALUS CICER	FORB	0	0	2	0.6667
182	ATRIPLEX CANESCENS	SHRUB	1	0	5	2.0000
183	BROMUS INERMIS	GRASS	2	1	3	2.0000
184	BROMUS INERMIS	GRASS	2	3	9	4.6667
185	CERATOIDES LANATA	SHRUB	6	2	4	4.0000
186	CERATOIDES LANATA	SHRUB	4	3	5	4.0000
187	MELILOTUS OFFICINALIS	FORB	0	1	1	0.6667
188	MELILOTUS OFFICINALIS	FORB	6	0	0	2.0000
189	ORYZOPSIS HYMENOIDES	GRASS	2	1	2	1.6667
190	PURSHIA TRIDENTATA	SHRUB	1	1	2	1.3333
191	STIPA VIRIDULA	GRASS	0	0	1	0.3333
192	STIPA VIRIDULA	GRASS	2	0	0	0.6667

RIO BLANCO OIL SHALE COMPANY
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COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

-------- SUBSTRAT=NO PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=INVADED ---------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
193	BROMUS TECTORUM	GRASS	0	0	1	0.33333
194	BROMUS TECTORUM	GRASS	2	1	2	1.66667
195	PHYSARIA FLORIBUNDA	FORB	1	0	0	0.33333
196	POA SPECIES	GRASS	2	0	0	0.66667
197	SALSOLA KALI	FORB	1	0	0	0.33333
198	SPHAERALCEA COCCINEA	FORB	1	0	0	0.33333
199	UNKNOWN FORBS	FORB	0	1	0	0.33333

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=NO MULCH SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
200	AGROPYRON SPECIES	GRASS	19	21	14	18.0000
201	AGROPYRON SPECIES	GRASS	11	9	9	9.6667
202	AGROPYRON TRICHOPHORUM	GRASS	5	9	13	9.0000
203	AGROPYRON TRICHOPHORUM	GRASS	7	6	5	6.0000
204	ASTRAGALUS CICER	FORB	0	0	4	1.3333
205	ASTRAGALUS CICER	FORB	5	4	2	3.6667
206	ATRIPLEX CANESCENS	SHRUB	0	0	1	0.3333
207	BROMUS INERMIS	GRASS	0	0	2	0.6667
208	BROMUS INERMIS	GRASS	4	4	4	4.0000
209	CERATOIDES LANATA	SHRUB	2	7	3	4.0000
210	CERATOIDES LANATA	SHRUB	1	3	6	3.3333
211	LINUM LEWISII	FORB	0	0	1	0.3333
212	MELILOTUS OFFICINALIS	FORB	2	0	1	1.0000
213	ORYZOPSIS HYMENOIDES	GRASS	3	0	0	1.0000
214	ORYZOPSIS HYMENOIDES	GRASS	2	1	4	2.3333
215	PURSHIA TRIDENTATA	SHRUB	0	1	0	0.3333
216	STIPA VIRIDULA	GRASS	0	0	2	0.6667
217	STIPA VIRIDULA	GRASS	2	0	0	0.6667

---------- SUBSTRAT=NO PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=NO MULCH SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
218	BROMUS TECTORUM	GRASS	2	0	0	0.666667
219	BROMUS TECTORUM	GRASS	0	1	1	0.666667

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COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

---------- SUBSTRAT=PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
220	AGROPYRON SPECIES	GRASS	7	18	7	10.6667
221	AGROPYRON SPECIES	GRASS	6	1	11	6.0000
222	AGROPYRON TRICHOPHORUM	GRASS	9	7	3	6.3333
223	AGROPYRON TRICHOPHORUM	GRASS	6	0	5	3.6667
224	ASTRAGALUS CICER	FORB	7	0	13	6.6667
225	ASTRAGALUS CICER	FORB	2	0	0	0.6667
226	ATRIPLEX CANESCENS	SHRUB	0	6	0	2.0000
227	BROMUS INERMIS	GRASS	3	3	5	3.6667
228	BROMUS INERMIS	GRASS	3	4	9	5.3333
229	CERATOIDES LANATA	SHRUB	0	3	0	1.0000
230	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	0	0	23	7.6667
231	ORYZOPSIS HYMENOIDES	GRASS	4	0	4	2.6667
232	ORYZOPSIS HYMENOIDES	GRASS	2	0	0	0.6667
233	PURSHIA TRIDENTATA	SHRUB	0	1	1	0.6667
234	STIPA VIRIDULA	GRASS	0	6	1	2.3333

---------- SUBSTRAT=PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
235	AGROPYRON CRISTATUM	GRASS	1	2	11	4.66667
236	AGROPYRON CRISTATUM	GRASS	4	5	0	3.00000
237	BROMUS TECTORUM	GRASS	1	14	4	6.33333
238	GUTIERREZIA SAROTHRAE	SHRUB	1	0	0	0.33333
239	SITANION HYSTRIX	GRASS	0	1	0	0.33333

---------- SUBSTRAT=PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
240	AGROPYRON SPECIES	GRASS	1	9	9	6.33333
241	AGROPYRON SPECIES	GRASS	9	7	13	9.66667
242	AGROPYRON TRICHOPHORUM	GRASS	14	3	8	8.33333
243	AGROPYRON TRICHOPHORUM	GRASS	9	3	6	6.00000
244	ASTRAGALUS CICER	FORB	10	12	4	8.66667
245	ASTRAGALUS CICER	FORB	11	17	0	9.33333
246	BROMUS INERMIS	GRASS	5	3	2	3.33333
247	BROMUS INERMIS	GRASS	0	2	0	0.66667
248	CERATOIDES LANATA	SHRUB	0	0	6	2.00000
249	CERATOIDES LANATA	SHRUB	0	0	15	5.00000
250	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	0	0	16	5.33333
251	KOCHIA PROSTRATA	SHRUB	3	0	0	1.00000
252	MELILOTUS OFFICINALIS	FORB	1	0	0	0.33333
253	MELILOTUS OFFICINALIS	FORB	0	0	1	0.33333

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COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

---------- SUBSTRAT=PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
254	ORYZOPSIS HYMENOIDES	GRASS	1	1	2	1.33333
255	ORYZOPSIS HYMENOIDES	GRASS	1	0	0	0.33333
256	STIPA VIRIDULA	GRASS	4	9	2	5.00000
257	STIPA VIRIDULA	GRASS	0	0	4	1.33333

---------- SUBSTRAT=PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
258	ASTRAGALUS PURSHII	FORB	0	0	1	0.333333
259	BROMUS TECTORUM	GRASS	0	1	0	0.333333
260	SENECIO MULTILOBATUS	FORB	0	0	1	0.333333
261	SENECIO MULTILOBATUS	FORB	0	1	0	0.333333

---------- SUBSTRAT=PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=NO MULCH SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
262	AGROPYRON SPECIES	GRASS	5	4	12	7.00000
263	AGROPYRON SPECIES	GRASS	2	14	13	9.66667
264	AGROPYRON TRICHOPHORUM	GRASS	7	3	7	5.66667
265	AGROPYRON TRICHOPHORUM	GRASS	3	6	0	3.00000
266	ASTRAGALUS CICER	FORB	1	0	0	0.33333
267	ASTRAGALUS CICER	FORB	0	10	2	4.00000
268	ASTRAGALUS CICER	FORB	2	0	2	1.33333
269	BROMUS INERMIS	GRASS	1	3	5	3.00000
270	BROMUS INERMIS	GRASS	0	2	10	4.00000
271	EUROTIA LANATA	SHRUB	7	0	5	4.00000
272	MELILOTUS OFFICINALIS	FORB	1	1	2	1.33333
273	ORYZOPSIS HYMENOIDES	GRASS	6	0	2	2.66667
274	ORYZOPSIS HYMENOIDES	GRASS	2	1	0	1.00000
275	STIPA VIRIDULA	GRASS	1	0	0	0.33333

---------- SUBSTRAT=PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=NO MULCH SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
276	AGROPYRON CRISTATUM	GRASS	9	9	3	7.00000
277	ASTRAGALUS PURSHII	FORB	0	1	0	0.33333
278	BROMUS TECTORUM	GRASS	0	10	1	3.66667
279	BROMUS TECTORUM	GRASS	0	0	8	2.66667
280	CHAENACTIS DOUGLASII	FORB	0	0	3	1.00000
281	CRUCIFERAE SPECIES	FORB	1	0	0	0.33333

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COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

---------- SUBSTRAT=PROCESSED SHALE SEEDING=LOW SEEDING RATE (15 LB/A) MULCH=NO MULCH SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
282	TRIFOLIUM GYMNOCARPON	FORB	0	1	0	0.333333

---------- SUBSTRAT=PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
283	AGROPYRON SPECIES	GRASS	14	6	5	8.3333
284	AGROPYRON SPECIES	GRASS	14	8	16	12.6667
285	AGROPYRON TRICHOPHORUM	GRASS	5	5	2	4.0000
286	AGROPYRON TRICHOPHORUM	GRASS	7	11	4	7.3333
287	ASTRAGALUS CICER	FORB	6	10	6	7.3333
288	ASTRAGALUS CICER	FORB	1	6	20	9.0000
289	ATRIPLEX CANESCENS	SHRUB	0	0	4	1.3333
290	ATRIPLEX CANESCENS	SHRUB	0	7	0	2.3333
291	BROMUS INERMIS	GRASS	2	4	3	3.0000
292	BROMUS INERMIS	GRASS	0	1	1	0.6667
293	CERATOIDES LANATA	SHRUB	4	5	3	4.0000
294	MELILOTUS OFFICINALIS	FORB	0	0	1	0.3333
295	ORYZOPSIS HYMENOIDES	GRASS	11	0	0	3.6667
296	ORYZOPSIS HYMENOIDES	GRASS	0	3	3	2.0000
297	STIPA VIRIDULA	GRASS	0	0	2	0.6667

---------- SUBSTRAT=PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
298	AGROPYRON CRISTATUM	GRASS	0	21	8	9.66667
299	AGROPYRON CRISTATUM	GRASS	0	1	0	0.33333
300	BROMUS TECTORUM	GRASS	1	0	0	0.33333
301	BROMUS TECTORUM	GRASS	2	1	2	1.66667
302	GUTIERREZIA SAROTHRAE	SHRUB	0	0	9	3.00000

--------- SUBSTRAT=PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=PLANTED ---------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
303	AGROPYRON SPECIES	GRASS	11	5	8	8.00000
304	AGROPYRON SPECIES	GRASS	5	7	16	9.33333
305	AGROPYRON TRICHOPHORUM	GRASS	9	13	7	9.66667
306	AGROPYRON TRICHOPHORUM	GRASS	7	12	4	7.66667
307	ASTRAGALUS CICER	FORB	10	7	4	7.00000
308	ASTRAGALUS CICER	FORB	1	7	7	5.00000
309	BROMUS INERMIS	GRASS	7	9	6	7.33333

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COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

--------- SUBSTRAT=PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=PLANTED ---------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
310	BROMUS INERMIS	GRASS	7	3	2	4.00000
311	CERATOIDES LANATA	SHRUB	1	0	0	0.33333
312	CERATOIDES LANATA	SHRUB	0	0	3	1.00000
313	MELILOTUS OFFICINALIS	FORB	0	2	1	1.00000
314	ORYZOPSIS HYMENOIDES	GRASS	5	0	0	1.66667
315	ORYZOPSIS HYMENOIDES	GRASS	0	0	2	0.66667
316	ORYZOPSIS HYMENOIDES	GRASS	0	3	1	1.33333
317	PURSHIA TRIDENTATA	SHRUB	1	0	0	0.33333
318	STIPA VIRIDULA	GRASS	1	0	0	0.33333
319	STIPA VIRIDULA	GRASS	0	0	1	0.33333

--------- SUBSTRAT=PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=INVADED ---------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
320	ASTRAGALUS PURSHII	FORB	0	0	1	0.33333
321	BROMUS TECTORUM	GRASS	0	1	2	1.00000
322	BROMUS TECTORUM	GRASS	0	1	1	0.66667
323	CHRYSOTHAMNUS VISIDIFLORUS	SHRUB	0	0	1	0.33333
324	POA SPECIES	GRASS	0	2	0	0.66667

---------- SUBSTRAT=PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=NO MULCH SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
325	AGROPYRON SPECIES	GRASS	13	9	7	9.6667
326	AGROPYRON SPECIES	GRASS	12	6	7	8.3333
327	AGROPYRON TRICHOPHORUM	GRASS	11	15	5	10.3333
328	AGROPYRON TRICHOPHORUM	GRASS	8	8	14	10.0000
329	ASTRAGALUS CICER	FORB	1	0	23	8.0000
330	ASTRAGALUS CICER	FORB	0	6	3	3.0000
331	ATRIPLEX CANESCENS	SHRUB	3	0	0	1.0000
332	ATRIPLEX CANESCENS	SHRUB	0	0	3	1.0000
333	BROMUS INERMIS	GRASS	0	0	1	0.3333
334	CERATOIDES LANATA	SHRUB	4	0	0	1.3333
335	CERATOIDES LANATA	SHRUB	6	12	3	7.0000
336	KOCHIA PROSTRATA	SHRUB	0	0	2	0.6667
337	LINUM LEWISII	FORB	0	0	2	0.6667
338	MELILOTUS OFFICINALIS	FORB	1	1	0	0.6667
339	MELILOTUS OFFICINALIS	FORB	0	4	0	1.3333
340	ORYZOPSIS HYMENOIDES	GRASS	2	0	1	1.0000
341	ORYZOPSIS HYMENOIDES	GRASS	0	0	1	0.3333
342	STIPA VIRIDULA	GRASS	1	3	8	4.0000
343	STIPA VIRIDULA	GRASS	4	7	0	3.6667

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COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

---------- SUBSTRAT=PROCESSED SHALE SEEDING=MEDIUM SEEDING RATE (20 LB/A) MULCH=NO MULCH SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
344	BROMUS TECTORUM	GRASS	0	3	0	1.00000
345	BROMUS TECTORUM	GRASS	0	1	3	1.33333
346	POA SPECIES	GRASS	0	1	1	0.66667
347	POA SPECIES	GRASS	3	0	4	2.33333

---------- SUBSTRAT=PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
348	AGROPYRON SPECIES	GRASS	12	23	16	17.0000
349	AGROPYRON SPECIES	GRASS	8	18	12	12.6667
350	AGROPYRON TRICHOPHORUM	GRASS	20	8	11	13.0000
351	AGROPYRON TRICHOPHORUM	GRASS	10	8	15	11.0000
352	ASTRAGALUS CICER	FORB	3	0	6	3.0000
353	ASTRAGALUS CICER	FORB	3	11	10	8.0000
354	ATRIPLEX CANESCENS	SHRUB	2	0	0	0.6667
355	BROMUS INERMIS	GRASS	2	2	5	3.0000
356	BROMUS INERMIS	GRASS	1	2	8	3.6667
357	CERATOIDES LANATA	SHRUB	12	4	2	6.0000
358	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	1	0	0	0.3333
359	MELILOTUS OFFICINALIS	FORB	0	2	0	0.6667
360	ORYZOPSIS HYMENOIDES	GRASS	0	0	3	1.0000
361	ORYZOPSIS HYMENOIDES	GRASS	3	2	0	1.6667

---------- SUBSTRAT=PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=HAY (2 T/A) SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
362	BROMUS TECTORUM	GRASS	1	0	0	0.333333
363	POA SPECIES	GRASS	1	0	0	0.333333

---------- SUBSTRAT=PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
364	AGROPYRON SPECIES	GRASS	11	8	18	12.3333
365	AGROPYRON SPECIES	GRASS	9	13	18	13.3333
366	AGROPYRON TRICHOPHORUM	GRASS	14	11	4	9.6667
367	AGROPYRON TRICHOPHORUM	GRASS	9	9	3	7.0000
368	ASTRAGALUS CICER	FORB	3	1	5	3.0000
369	ASTRAGALUS CICER	FORB	4	4	14	7.3333
370	ATRIPLEX CANESCENS	SHRUB	0	5	0	1.6667
371	BROMUS INERMIS	GRASS	0	4	3	2.3333

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COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

---------- SUBSTRAT=PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
372	BROMUS INERMIS	GRASS	2	2	1	1.66667
373	CERATOIDES LANATA	SHRUB	2	4	11	5.66667
374	CERATOIDES LANATA	SHRUB	6	0	2	2.66667
375	KOCHIA PROSTRATA	SHRUB	0	14	0	4.66667
376	KOCHIA PROSTRATA	SHRUB	0	1	0	0.33333
377	MELILOTUS OFFICINALIS	FORB	1	0	0	0.33333
378	ORYZOPSIS HYMENOIDES	GRASS	2	3	0	1.66667
379	ORYZOPSIS HYMENOIDES	GRASS	3	4	3	3.33333
380	PURSHIA TRIDENTATA	SHRUB	0	0	1	0.33333
381	PURSHIA TRIDENTATA	SHRUB	0	1	0	0.33333
382	STIPA VIRIDULA	GRASS	1	0	0	0.33333

---------- SUBSTRAT=PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=HYDROMULCH (.75 T/A) SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
383	BROMUS TECTORUM	GRASS	1	1	1	1.00000
384	BROMUS TECTORUM	GRASS	1	0	0	0.33333
385	UNKNOWN FORBS	FORB	0	0	1	0.33333

---------- SUBSTRAT=PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=NO MULCH SPS_TYPE=PLANTED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
386	AGROPYRON SPECIES	GRASS	9	17	17	14.3333
387	AGROPYRON SPECIES	GRASS	16	14	17	15.6667
388	AGROPYRON TRICHOPHORUM	GRASS	14	8	8	10.0000
389	AGROPYRON TRICHOPHORUM	GRASS	9	8	6	7.6667
390	ASTRAGALUS CICER	FORB	3	9	0	4.0000
391	ATRIPLEX CANESCENS	SHRUB	13	0	0	4.3333
392	ATRIPLEX CANESCENS	SHRUB	5	0	0	1.6667
393	BROMUS INERMIS	GRASS	3	2	5	3.3333
394	BROMUS INERMIS	GRASS	0	0	2	0.6667
395	CERATOIDES LANATA	SHRUB	7	0	3	3.3333
396	CERATOIDES LANATA	SHRUB	1	3	0	1.3333
397	LINUM LEWISII	FORB	0	1	0	0.3333
398	MELILOTUS OFFICINALIS	FORB	1	0	0	0.3333
399	ORYZOPSIS HYMENOIDES	GRASS	0	4	2	2.0000
400	ORYZOPSIS HYMENOIDES	GRASS	4	5	1	3.3333
401	PURSHIA TRIDENTATA	SHRUB	0	1	0	0.3333

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

COVER ESTIMATES FOR ALL TREATMENT COMBINATIONS SAMPLED IN 1981

---------- SUBSTRAT=PROCESSED SHALE SEEDING=HIGH SEEDING RATE (25 LB/A) MULCH=NO MULCH SPS_TYPE=INVADED ----------

OBS	SPECIES	GR_FRM	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
402	BROMUS TECTORUM	GRASS	0	0	1	0.333333

APPENDIX 6-1.6

Analyses for Plot R-3 Experimental Revegetation Data

Results of three-way ANOVA's comparing grass, forb and shrub data (arcsine transformed cover estimates) for Experimental Revegetation Plot R-3. Analyses correspond to those summarized on Table 6-47.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 71

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.24296328	0.01429196	0.67	0.8201	0.176266	128.7188
ERROR	53	1.13542345	0.02142308		STD DEV		ASPC MEAN
CORRECTED TOTAL	70	1.37838673			0.14636627		0.11371013

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00479594	0.22	0.6381
SEEDING	2	0.04468032	1.04	0.3596
MULCH	2	0.05570642	1.30	0.2810
SUBSTRAT*SEEDING	2	0.02202130	0.51	0.6011
SUBSTRAT*MULCH	2	0.00195189	0.05	0.9555
SEEDING*MULCH	4	0.07287650	0.85	0.4997
SUBSTRA*SEEDIN*MULCH	4	0.04093090	0.48	0.7519

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 27

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=FORB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	10	0.00046321	0.00004632	0.67	0.7336	0.296197	63.9775
ERROR	16	0.00110064	0.00006879		STD DEV		ASPC MEAN
CORRECTED TOTAL	26	0.00156384			0.00829396		0.01296388

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00000741	0.11	0.7470
SEEDING	2	0.00023798	1.73	0.2089
MULCH	2	0.00001932	0.14	0.8700
SUBSTRAT*SEEDING	2	0.00001512	0.11	0.8966
SUBSTRAT*MULCH	1	0.00011987	1.74	0.2054
SEEDING*MULCH	2	0.00006350	0.46	0.6385
SUBSTRA*SEEDIN*MULCH	0	0.00000000	.	.

RIO BLANCO OIL SHALE COMPANY
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THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 170

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.22481704	0.01322453	0.73	0.7661	0.075741	91.7000
ERROR	152	2.74341071	0.01804875		STD DEV		ASPC MEAN
CORRECTED TOTAL	169	2.96822775			0.13434565		0.14650567

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.03058730	1.69	0.1950
SEEDING	2	0.13419694	3.72	0.0265
MULCH	2	0.00446726	0.12	0.8837
SUBSTRAT*SEEDING	2	0.00710313	0.20	0.8216
SUBSTRAT*MULCH	2	0.00958270	0.27	0.7672
SEEDING*MULCH	4	0.00261438	0.04	0.9975
SUBSTRA*SEEDIN*MULCH	4	0.03626533	0.50	0.7341

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 58

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=GRASS SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.10277999	0.00604588	1.69	0.0858	0.418254	106.5779
ERROR	40	0.14295578	0.00357389		STD DEV		ASPC MEAN
CORRECTED TOTAL	57	0.24573577			0.05978206		0.05609237

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00185955	0.52	0.4749
SEEDING	2	0.06591912	9.22	0.0005
MULCH	2	0.00295172	0.41	0.6645
SUBSTRAT*SEEDING	2	0.00212870	0.30	0.7441
SUBSTRAT*MULCH	2	0.00858175	1.20	0.3116
SEEDING*MULCH	4	0.00380042	0.27	0.8982
SUBSTRA*SEEDIN*MULCH	4	0.01753874	1.23	0.3148

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 67

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.03421073	0.00201240	0.45	0.9639	0.134528	94.6228
ERROR	49	0.22009148	0.00449166		STD DEV		ASPC MEAN
CORRECTED TOTAL	66	0.25430220			0.06701987		0.07082842

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00000554	0.00	0.9721
SEEDING	2	0.00040011	0.04	0.9565
MULCH	2	0.00267861	0.30	0.7435
SUBSTRAT*SEEDING	2	0.01065932	1.19	0.3139
SUBSTRAT*MULCH	2	0.00650948	0.72	0.4896
SEEDING*MULCH	4	0.00147696	0.08	0.9875
SUBSTRA*SEEDIN*MULCH	4	0.01248070	0.69	0.5993

RIO BLANCO OIL SHALE COMPANY
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THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=SHRUB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 9

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
GR_FRM=SHRUB SPS_TYPE=INVADED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	7	0.00857963	0.00122566	99999.99	0.0000	1.000000	0.0000
ERROR	1	0.00000000	0.00000000		STD DEV		ASPC MEAN
CORRECTED TOTAL	8	0.00857963			0.00000000		0.02780110

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00035695	.	.
SEEDING	2	0.00246037	.	.
MULCH	2	0.00565421	.	.
SUBSTRAT*SEEDING	1	0.00003510	.	.
SUBSTRAT*MULCH	1	0.00007300	.	.
SEEDING*MULCH	0	0.00000000	.	.
SUBSTRA*SEEDIN*MULCH	0	0.00000000	.	.

Results of three-way ANOVA's comparing grass, forb and shrub data (arcsine transformed cover estimates) for planted species on Experimental Revegetation Plot R-3. Analyses correspond to those summarized on Table 6-49.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=AGROPYRON SPECIES GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 37

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=AGROPYRON SPECIES GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	17	0.41594046	0.02446709
ERROR	19	0.17745277	0.00933962
CORRECTED TOTAL	36	0.59339323	

MODEL F = 2.62 PR > F = 0.0227

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.700952	29.9320	0.09664171	0.32287110

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00028207	0.03	0.8639
SEEDING	2	0.30985214	16.59	0.0001
MULCH	2	0.00577780	0.31	0.7376
SUBSTRAT*SEEDING	2	0.01059294	0.57	0.5765
SUBSTRAT*MULCH	2	0.00582063	0.31	0.7359
SEEDING*MULCH	4	0.03317851	0.89	0.4899
SUBSTRA*SEEDIN*MULCH	4	0.05043638	1.35	0.2882

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=AGROPYRON TRICHOPHORUM GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 36

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=AGROPYRON TRICHOPHORUM GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	17	0.18212469	0.01071322
ERROR	18	0.04267851	0.00237103
CORRECTED TOTAL	35	0.22480320	

MODEL F = 4.52 PR > F = 0.0013

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.810152	24.8344	0.04869321	0.19607137

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.05994675	25.28	0.0001
SEEDING	2	0.06106295	12.88	0.0003
MULCH	2	0.00071374	0.15	0.8613
SUBSTRAT*SEEDING	2	0.00832984	1.76	0.2010
SUBSTRAT*MULCH	2	0.00142020	0.30	0.7448
SEEDING*MULCH	4	0.02580661	2.72	0.0622
SUBSTRA*SEEDIN*MULCH	4	0.02484459	2.62	0.0694

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=ASTRAGALUS CICER GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 36

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=ASTRAGALUS CICER GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	17	0.56596244	0.03329191
ERROR	18	0.23175693	0.01287539
CORRECTED TOTAL	35	0.79771937	

MODEL F = 2.59 PR > F = 0.0264

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.709476	56.2426	0.11346975	0.20175055

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.06059490	4.71	0.0437
SEEDING	2	0.09192068	3.57	0.0495
MULCH	2	0.06963217	2.70	0.0940
SUBSTRAT*SEEDING	2	0.11680176	4.54	0.0254
SUBSTRAT*MULCH	2	0.01179706	0.46	0.6396
SEEDING*MULCH	4	0.16444562	3.19	0.0380
SUBSTRA*SEEDIN*MULCH	4	0.05077023	0.99	0.4402

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=ATRIPLEX CANESCENS GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 15

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=ATRIPLEX CANESCENS GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	11	0.01108740	0.00100795
ERROR	3	0.00367931	0.00122644
CORRECTED TOTAL	14	0.01476671	

MODEL F =	0.82		PR > F = 0.6505

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.750838	70.9172	0.03502052	0.04938226

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00036170	0.29	0.6248
SEEDING	2	0.00312125	1.27	0.3980
MULCH	2	0.00000419	0.00	0.9983
SUBSTRAT*SEEDING	2	0.00092741	0.38	0.7138
SUBSTRAT*MULCH	2	0.00214336	0.87	0.5023
SEEDING*MULCH	1	0.00081868	0.67	0.4738
SUBSTRA*SEEDIN*MULCH	1	0.00371082	3.03	0.1803

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=BROMUS INERMIS GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 35

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=BROMUS INERMIS GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	17	0.04908142	0.00288714
ERROR	17	0.02835943	0.00166820
CORRECTED TOTAL	34	0.07744085	

MODEL F =	1.73	PR > F =	0.1340

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.633792	50.5757	0.04084363	0.08075747

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00197598	1.18	0.2916
SEEDING	2	0.00016050	0.05	0.9532
MULCH	2	0.00405034	1.21	0.3215
SUBSTRAT*SEEDING	2	0.00563332	1.69	0.2144
SUBSTRAT*MULCH	2	0.00307688	0.92	0.4166
SEEDING*MULCH	4	0.01926354	2.89	0.0542
SUBSTRA*SEEDIN*MULCH	4	0.01492087	2.24	0.1081

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=CERATOIDES LANATA GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 28

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=CERATOIDES LANATA GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	16	0.06595296	0.00412206
ERROR	11	0.03351466	0.00304679
CORRECTED TOTAL	27	0.09946763	

MODEL F =	1.35		PR > F = 0.3102

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.663060	53.8412	0.05519771	0.10251941

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00116779	0.38	0.5485
SEEDING	2	0.00500640	0.82	0.4650
MULCH	2	0.00387775	0.64	0.5476
SUBSTRAT*SEEDING	2	0.00799547	1.31	0.3083
SUBSTRAT*MULCH	2	0.01364579	2.24	0.1528
SEEDING*MULCH	4	0.01187788	0.97	0.4599
SUBSTRA*SEEDIN*MULCH	3	0.02238189	2.45	0.1185

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=CHRYSOTHAMNUS NAUSEOSUS GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 5

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=CHRYSOTHAMNUS NAUSEOSUS GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	4	0.02898140	0.00724535
ERROR	0	0.00000000	0.00000000
CORRECTED TOTAL	4	0.02898140	

MODEL F = 99999.99 PR > F = 0.0000

R-SQUARE	C.V.	STD DEV	ASPC MEAN
1.000000	0.0000	0.00000000	0.13274402

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00001715	.	.
SEEDING	2	0.02641620	.	.
MULCH	1	0.00254805	.	.
SUBSTRAT*SEEDING	0	0.00000000	.	.
SUBSTRAT*MULCH	0	0.00000000	.	.
SEEDING*MULCH	0	0.00000000	.	.
SUBSTRA*SEEDIN*MULCH	0	0.00000000	.	.

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=LINUM LEWISII GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 8

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=LINUM LEWISII GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	6	0.00033763	0.00005627
ERROR	1	0.00005001	0.00005001
CORRECTED TOTAL	7	0.00038765	

MODEL F =	1.13	PR > F =	0.6178

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.870986	43.5163	0.00707189	0.01625115

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00000417	0.08	0.8211
SEEDING	2	0.00007503	0.75	0.6324
MULCH	2	0.00025843	2.58	0.4027
SUBSTRAT*SEEDING	1	0.00000000	0.00	0.9999
SUBSTRAT*MULCH	0	0.00000000	.	.
SEEDING*MULCH	0	0.00000000	.	.
SUBSTRA*SEEDIN*MULCH	0	0.00000000	.	.

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=MELILOTUS OFFICINALIS GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 25

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=MELILOTUS OFFICINALIS GR_FRM=FORB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	16	0.00260222	0.00016264
ERROR	8	0.00160197	0.00020025
CORRECTED TOTAL	24	0.00420418	

MODEL F =	0.81	PR > F =	0.6572

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.618959	64.3102	0.01415083	0.02200401

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00006674	0.33	0.5796
SEEDING	2	0.00028315	0.71	0.5215
MULCH	2	0.00012770	0.32	0.7358
SUBSTRAT*SEEDING	2	0.00060715	1.52	0.2765
SUBSTRAT*MULCH	2	0.00020752	0.52	0.6143
SEEDING*MULCH	4	0.00114594	1.43	0.3082
SUBSTRA*SEEDIN*MULCH	3	0.00016401	0.27	0.8433

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=ORYZOPSIS HYMENOIDES GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 35

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=ORYZOPSIS HYMENOIDES GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	17	0.02171325	0.00127725
ERROR	17	0.01630928	0.00095937
CORRECTED TOTAL	34	0.03802254	

MODEL F =	1.33	PR > F =	0.2808

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.571063	64.8462	0.03097369	0.04776488

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00046232	0.48	0.4969
SEEDING	2	0.00060240	0.31	0.7347
MULCH	2	0.00128224	0.67	0.5256
SUBSTRAT*SEEDING	2	0.00197326	1.03	0.3788
SUBSTRAT*MULCH	2	0.00509814	2.66	0.0991
SEEDING*MULCH	4	0.00714531	1.86	0.1636
SUBSTRA*SEEDIN*MULCH	4	0.00514958	1.34	0.2950

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=PURSHIA TRIDENTATA GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 12

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=PURSHIA TRIDENTATA GR_FRM=SHRUB SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	10	0.00110067	0.00011007
ERROR	1	0.00000000	0.00000000
CORRECTED TOTAL	11	0.00110067	

MODEL F = 99999.99 PR > F = 0.0000

R-SQUARE	C.V.	STD DEV	ASPC MEAN
1.000000	0.0000	0.00000000	0.01500150

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00007720	.	.
SEEDING	2	0.00019161	.	.
MULCH	2	0.00036903	.	.
SUBSTRAT*SEEDING	2	0.00011643	.	.
SUBSTRAT*MULCH	1	0.0000461[9]	.	.
SEEDING*MULCH	2	0.00030021	.	.
SUBSTRA*SEEDIN*MULCH	0	0.00000000	.	.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=STIPA VIRIDULA GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
SEEDING	3	1 2 3
MULCH	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 27

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES COMPARING
SUBSTRATE TYPE, SEEDING RATE, AND MULCHING TYPE FOR
PLANTED AND INVADED SPECIES SAMPLED IN 1981
SPECIES=STIPA VIRIDULA GR_FRM=GRASS SPS_TYPE=PLANTED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	15	0.04938344	0.00329223
ERROR	11	0.01196810	0.00108801
CORRECTED TOTAL	26	0.06135154	

MODEL F =	3.03		PR > F = 0.0350

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.804926	63.4832	0.03298498	0.05195862

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00015824	0.15	0.7102
SEEDING	2	0.01244672	5.72	0.0198
MULCH	2	0.00053838	0.25	0.7850
SUBSTRAT*SEEDING	2	0.00002755	0.01	0.9874
SUBSTRAT*MULCH	2	0.00524158	2.41	0.1356
SEEDING*MULCH	4	0.02119603	4.87	0.0166
SUBSTRA*SEEDIN*MULCH	2	0.00977492	4.49	0.0375

Results of a one-way ANOVA comparing grass, forb and shrub data (arcsine transformed cover estimates) for Experimental Revegetation Plot R-3. Analyses correspond to those summarized on Table 6-53.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=FORB SPS_TYPE=

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	77 78 79 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 277

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - P-3

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=FORB SPS_TYPE=

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	4	0.01038932	0.00259733
ERROR	272	0.20979266	0.00077130
CORRECTED TOTAL	276	0.22018198	

MODEL F =	3.37		PR > F = 0.0104

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.047185	157.1692	0.02777223	0.01767027

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	0.01038932	3.37	0.0104

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=FORB SPS_TYPE=I

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	77 78 79 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 187

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=FORB SPS_TYPE=I

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	4	0.00012506	0.00003127
ERROR	182	0.00784390	0.00004310
CORRECTED TOTAL	186	0.00796896	

MODEL F =	0.73		PR > F = 0.5756

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.015694	194.8419	0.00656493	0.00336936

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	0.00012506	0.73	0.5756

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=GRASS SPS_TYPE=

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	77 78 79 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 425

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=GRASS SPS_TYPE=

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	4	0.15194970	0.03798743
ERROR	420	0.75886020	0.00180681
CORRECTED TOTAL	424	0.91080991	

MODEL F =	21.02		PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.166829	102.4574	0.04250659	0.04148709

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	0.15194970	21.02	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=GRASS SPS_TYPE=I

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	77 78 79 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 123

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=GRASS SPS_TYPE=I

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	4	0.00538791	0.00134698
ERROR	118	0.03546334	0.00030054
CORRECTED TOTAL	122	0.04085125	

MODEL F =	4.48		PR > F = 0.0021

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.131891	132.3947	0.01733600	0.01309418

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	0.00538791	4.48	0.0021

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=SHRUB SPS_TYPE=

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	5	77 78 79 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 296

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - E-3

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=SHRUB SPS_TYPE=

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	4	0.04593138	0.01148285
ERROR	291	0.19501961	0.00067017
CORRECTED TOTAL	295	0.24095099	

MODEL F =	17.13		PR > F = 0.0001

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.190625	127.1668	0.02588765	0.02035724

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	4	0.04593138	17.13	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM - R-3

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=SHRUB SPS_TYPE=I

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	3	79 80 81

NUMBER OF OBSERVATIONS IN BY GROUP = 16

ONE-WAY MODEL I ANALYSIS OF VARIANCE
BY GROWTH FORM AND PLANTED OR INVADED SPECIES
COMPARING TRANSFORMED COVER ESTIMATES OVER ALL TREATMENTS
GR_FRM=SHRUB SPS_TYPE=I

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	2	0.00003773	0.00001886
ERROR	13	0.00028434	0.00002187
CORRECTED TOTAL	15	0.00032207	

MODEL F =	0.86		PR > F = 0.4449

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.117145	115.1189	0.00467679	0.00406257

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	2	0.00003773	0.86	0.4449

Results of T-test comparisons for soil conductivity data on Experimental Revegetation Plot R-3.

RIO BLANCO OIL SHALE COMPANY
VEGETATION MONITORING PROGRAM
EXPERIMENTAL REVEGETATION STUDIES - SITE R-3
REPORT YEAR=1981

TTEST PROCEDURE

VARIABLE: D00 0 CM DEPTH

SUBSTRAT	N	MEAN	STD DEV	STD ERROR
NO PROCESSED SHA	6	0.16500000	0.04549725	0.01857418
PROCESSED SHALE	6	0.17666667	0.05125102	0.02092314

VARIANCES	T	DF	PROB > |T|
UNEQUAL	-0.4170	9.9	0.6856
EQUAL	-0.4170	10.0	0.6855

FOR HO: VARIANCES ARE EQUAL, F'= 1.27 WITH 5 AND 5 DF PROB > F'= 0.8002

VARIABLE: D25 25 CM DEPTH

SUBSTRAT	N	MEAN	STD DEV	STD ERROR
NO PROCESSED SHA	6	0.17666667	0.03141125	0.01282359
PROCESSED SHALE	6	0.16833333	0.02639444	0.01077549

VARIANCES	T	DF	PROB > |T|
UNEQUAL	0.4975	9.7	0.6299
EQUAL	0.4975	10.0	0.6296

FOR HO: VARIANCES ARE EQUAL, F'= 1.42 WITH 5 AND 5 DF PROB > F'= 0.7119

VARIABLE: D50 50 CM DEPTH

SUBSTRAT	N	MEAN	STD DEV	STD ERROR
NO PROCESSED SHA	6	0.23833333	0.06242329	0.02548420
PROCESSED SHALE	6	0.26500000	0.02073644	0.00846562

VARIANCES	T	DF	PROB > |T|
UNEQUAL	-0.9930	6.1	0.3586
EQUAL	-0.9930	10.0	0.3441

FOR HO: VARIANCES ARE EQUAL, F'= 9.06 WITH 5 AND 5 DF PROB > F'= 0.0303

APPENDIX 6-4

Mule Deer Habitat Modification Study

APPENDIX 6-4.1

Coverage and Density Data for Mule Deer Habitat Modification Studies

RIO BLANCO OIL SHALE COMPANY
TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

---------- CHOP=NOT CHOPPED SEED=NOT SEEDED FERTILIZ=NOT FERTILIZED ORIENT=PERPENDICULAR TO WIND ----------

OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
1	SAGEBRUSH	1	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	25
2	SAGEBRUSH	1	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	37
3	SAGEBRUSH	1	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	22
4	SAGEBRUSH	1	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	38
5	SAGEBRUSH	1	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	21
6	SAGEBRUSH	1	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	34
7	SAGEBRUSH	1	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	8
8	SAGEBRUSH	1	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	33
9	SAGEBRUSH	1	7	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
10	SAGEBRUSH	1	9	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	16
11	SAGEBRUSH	1	9	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	31
12	SAGEBRUSH	1	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	17
13	SAGEBRUSH	1	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	31
14	SAGEBRUSH	1	10	CHENOPODIUM SPECIES	FORB	INVADED	COVER	5
15	SAGEBRUSH	1	10	SARCOBATUS VERMICULATUS	SHRUB	INVADED	COVER	9
16	SAGEBRUSH	1	10	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	2
17	SAGEBRUSH	1	10	UNKNOWN FORB	FORB	INVADED	COVER	3
18	SAGEBRUSH	1	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
19	SAGEBRUSH	1	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	32
20	SAGEBRUSH	1	11	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	2
21	SAGEBRUSH	1	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	16
22	SAGEBRUSH	1	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	37
23	SAGEBRUSH	1	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	6
24	SAGEBRUSH	2	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	20
25	SAGEBRUSH	2	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	32
26	SAGEBRUSH	2	3	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
27	SAGEBRUSH	2	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	27
28	SAGEBRUSH	2	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	21
29	SAGEBRUSH	2	6	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	9
30	SAGEBRUSH	2	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	10
31	SAGEBRUSH	2	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	30
32	SAGEBRUSH	2	7	ATRIPLEX CANESCENS	SHRUB	INVADED	DENSITY	1
33	SAGEBRUSH	2	7	ORYZOPSIS HYMENOIDES	GRASS	PLANTED	COVER	4
34	SAGEBRUSH	2	7	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	5
35	SAGEBRUSH	2	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	26
36	SAGEBRUSH	2	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	26
37	SAGEBRUSH	2	10	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
38	SAGEBRUSH	2	10	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
39	SAGEBRUSH	3	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	15
40	SAGEBRUSH	3	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	20
41	SAGEBRUSH	3	1	CHENOPODIUM SPECIES	FORB	INVADED	COVER	10
42	SAGEBRUSH	3	1	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	2
43	SAGEBRUSH	3	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
44	SAGEBRUSH	3	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	24
45	SAGEBRUSH	3	3	ATRIPLEX CANESCENS	SHRUB	INVADED	DENSITY	2
46	SAGEBRUSH	3	3	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
47	SAGEBRUSH	3	4	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	7

RIO BLANCO OIL SHALE COMPANY
TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
48	SAGEBRUSH	3	4	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	23
49	SAGEBRUSH	3	4	ATRIPLEX CANESCENS	SHRUB	INVADED	DENSITY	1
50	SAGEBRUSH	3	4	PHYSARIA FLORIBUNDA	FORB	INVADED	COVER	1
51	SAGEBRUSH	3	4	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	6
52	SAGEBRUSH	3	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	15
53	SAGEBRUSH	3	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	29
54	SAGEBRUSH	3	12	OPPPOL	FORB	INVADED	COVER	2
55	SAGEBRUSH	3	12	POA SPECIES	GRASS	INVADED	COVER	1
56	SAGEBRUSH	3	12	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	4
57	SAGEBRUSH	3	12	SITANION HYSTRIX	GRASS	INVADED	COVER	1
58	SAGEBRUSH	6	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	17
59	SAGEBRUSH	6	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	37
60	SAGEBRUSH	6	1	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	4
61	SAGEBRUSH	6	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	26
62	SAGEBRUSH	6	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	39
63	SAGEBRUSH	6	2	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	3
64	SAGEBRUSH	6	2	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	COVER	4
65	SAGEBRUSH	6	2	IPOMOPSIS AGGREGATA	FORB	INVADED	COVER	1
66	SAGEBRUSH	6	2	ORYZOPSIS HYMENOIDES	GRASS	PLANTED	COVER	2
67	SAGEBRUSH	6	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	28
68	SAGEBRUSH	6	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	41
69	SAGEBRUSH	6	3	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
70	SAGEBRUSH	6	3	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	1
71	SAGEBRUSH	6	3	SALSOLA KALI	FORB	INVADED	COVER	1
72	SAGEBRUSH	6	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	25
73	SAGEBRUSH	6	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	37
74	SAGEBRUSH	6	6	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
75	SAGEBRUSH	6	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	26
76	SAGEBRUSH	6	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	28
77	SAGEBRUSH	6	7	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	2
78	SAGEBRUSH	6	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	26
79	SAGEBRUSH	6	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	34
80	SAGEBRUSH	6	10	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2
81	SAGEBRUSH	6	10	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	3
82	SAGEBRUSH	6	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	26
83	SAGEBRUSH	6	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	24
84	SAGEBRUSH	6	11	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	4
85	SAGEBRUSH	6	11	CRUCIFERAE SPECIES	FORB	INVADED	COVER	1
86	SAGEBRUSH	6	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	29
87	SAGEBRUSH	6	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	26
88	SAGEBRUSH	6	12	CHENOPODIUM SPECIES	FORB	INVADED	COVER	5
89	SAGEBRUSH	6	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	3
90	SAGEBRUSH	6	12	UNKNOWN COMPOSITE	FORB	INVADED	COVER	1

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
91	SAGEBRUSH	7	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
92	SAGEBRUSH	7	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	36
93	SAGEBRUSH	7	1	ASTER SPECIES	FORB	INVADED	COVER	1
94	SAGEBRUSH	7	1	POA SPECIES	GRASS	INVADED	COVER	1
95	SAGEBRUSH	7	1	SENECIO MULTILOBATUS	FORB	INVADED	COVER	1
96	SAGEBRUSH	7	1	SITANION HYSTRIX	GRASS	INVADED	COVER	5
97	SAGEBRUSH	7	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	24
98	SAGEBRUSH	7	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	31
99	SAGEBRUSH	7	2	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
100	SAGEBRUSH	7	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	19
101	SAGEBRUSH	7	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	42
102	SAGEBRUSH	7	5	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
103	SAGEBRUSH	7	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	25
104	SAGEBRUSH	7	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	42
105	SAGEBRUSH	7	7	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
106	SAGEBRUSH	7	7	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	COVER	3
107	SAGEBRUSH	7	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	21
108	SAGEBRUSH	7	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	38
109	SAGEBRUSH	7	8	PHYSARIA FLORIBUNDA	FORB	INVADED	COVER	1
110	SAGEBRUSH	7	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	27
111	SAGEBRUSH	7	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	27
112	SAGEBRUSH	7	10	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
113	SAGEBRUSH	7	10	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	COVER	2
114	SAGEBRUSH	7	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	37
115	SAGEBRUSH	7	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	19
116	SAGEBRUSH	7	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	34
117	SAGEBRUSH	7	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	22
118	SAGEBRUSH	7	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	2
119	SAGEBRUSH	7	12	SPHAERALCEA COCCINEA	FORB	INVADED	COVER	5
120	SAGEBRUSH	10	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	37
121	SAGEBRUSH	10	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	32
122	SAGEBRUSH	10	1	POA SPECIES	GRASS	INVADED	COVER	1
123	SAGEBRUSH	10	1	UNKNOWN FORB	FORB	INVADED	COVER	1
124	SAGEBRUSH	10	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	27
125	SAGEBRUSH	10	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	24
126	SAGEBRUSH	10	3	CHENOPODIUM SPECIES	FORB	INVADED	COVER	4
127	SAGEBRUSH	10	3	CRUCIFERAE SPECIES	FORB	INVADED	COVER	2
128	SAGEBRUSH	10	3	PHYSARIA FLORIBUNDA	FORB	INVADED	COVER	1
129	SAGEBRUSH	10	4	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	26
130	SAGEBRUSH	10	4	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	34
131	SAGEBRUSH	10	4	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
132	SAGEBRUSH	10	4	UNKNOWN FORB	FORB	INVADED	COVER	1
133	SAGEBRUSH	10	9	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	21
134	SAGEBRUSH	10	9	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	43
135	SAGEBRUSH	11	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	22
136	SAGEBRUSH	11	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	36
137	SAGEBRUSH	11	3	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
138	SAGEBRUSH	11	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	24
139	SAGEBRUSH	11	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	35
140	SAGEBRUSH	11	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	28
141	SAGEBRUSH	11	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	31
142	SAGEBRUSH	12	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	32
143	SAGEBRUSH	12	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	21
144	SAGEBRUSH	12	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	6
145	SAGEBRUSH	12	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	32
146	SAGEBRUSH	12	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	32
147	SAGEBRUSH	12	3	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
148	SAGEBRUSH	12	3	UNKNOWN FORB	FORB	INVADED	COVER	5
149	SAGEBRUSH	12	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	23
150	SAGEBRUSH	12	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	41
151	SAGEBRUSH	12	5	UNKNOWN FORB	FORB	INVADED	COVER	1
152	SAGEBRUSH	12	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	24
153	SAGEBRUSH	12	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	44
154	SAGEBRUSH	12	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	28
155	SAGEBRUSH	12	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	43
156	SAGEBRUSH	12	8	UNKNOWN FORB	FORB	INVADED	COVER	2
157	SAGEBRUSH	12	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	23
158	SAGEBRUSH	12	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	39
159	SAGEBRUSH	12	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	8
160	SAGEBRUSH	12	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	29
161	SAGEBRUSH	12	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	26
162	SAGEBRUSH	12	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	39

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
163	SAGEBRUSH	4	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	23
164	SAGEBRUSH	4	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	37
165	SAGEBRUSH	4	4	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	17
166	SAGEBRUSH	4	4	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	36
167	SAGEBRUSH	4	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	22
168	SAGEBRUSH	4	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	31
169	SAGEBRUSH	4	6	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
170	SAGEBRUSH	4	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	20
171	SAGEBRUSH	4	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	40
172	SAGEBRUSH	4	12	ATRIPLEX CANESCENS	SHRUB	INVADED	DENSITY	1
173	SAGEBRUSH	4	12	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2
174	SAGEBRUSH	4	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	4
175	SAGEBRUSH	4	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	COVER	8
176	SAGEBRUSH	5	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	27
177	SAGEBRUSH	5	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	39
178	SAGEBRUSH	5	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	27

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
179	SAGEBRUSH	5	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	19
180	SAGEBRUSH	5	6	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
181	SAGEBRUSH	5	6	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	COVER	1
182	SAGEBRUSH	5	6	CRUCIFERAE SPECIES	FORB	INVADED	COVER	6
183	SAGEBRUSH	5	6	UNKNOWN FORB	FORB	INVADED	COVER	2
184	SAGEBRUSH	5	9	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	26
185	SAGEBRUSH	5	9	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	25
186	SAGEBRUSH	5	9	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	4
187	SAGEBRUSH	5	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	31
188	SAGEBRUSH	5	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	26
189	SAGEBRUSH	5	10	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
190	SAGEBRUSH	5	10	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	8

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
191	SAGEBRUSH	8	4	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	35
192	SAGEBRUSH	8	4	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	27
193	SAGEBRUSH	8	4	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
194	SAGEBRUSH	8	4	CRUCIFERAE SPECIES	FORB	INVADED	COVER	4
195	SAGEBRUSH	8	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	32
196	SAGEBRUSH	8	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	29
197	SAGEBRUSH	8	6	CHENOPODIUM SPECIES	FORB	INVADED	COVER	8
198	SAGEBRUSH	8	6	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
199	SAGEBRUSH	8	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	43
200	SAGEBRUSH	8	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	34
201	SAGEBRUSH	8	7	CHENOPODIUM SPECIES	FORB	INVADED	COVER	15
202	SAGEBRUSH	8	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	38
203	SAGEBRUSH	8	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	24
204	SAGEBRUSH	8	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	2
205	SAGEBRUSH	9	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	41
206	SAGEBRUSH	9	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	34
207	SAGEBRUSH	9	6	CHENOPODIUM SPECIES	FORB	INVADED	COVER	6
208	SAGEBRUSH	9	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	14
209	SAGEBRUSH	9	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	30
210	SAGEBRUSH	9	7	CHENOPODIUM SPECIES	FORB	INVADED	COVER	8
211	SAGEBRUSH	9	7	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
212	SAGEBRUSH	9	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	35
213	SAGEBRUSH	9	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	38
214	SAGEBRUSH	9	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	29
215	SAGEBRUSH	9	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	26

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
216	SAGEBRUSH	11	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	15
217	SAGEBRUSH	11	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	39
218	SAGEBRUSH	11	12	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
219	SAGEBRUSH	11	12	UNKNOWN FORB	FORB	INVADED	COVER	5

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
220	SAGEBRUSH	2	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	15
221	SAGEBRUSH	2	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	31
222	SAGEBRUSH	2	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	8
223	SAGEBRUSH	2	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	31
224	SAGEBRUSH	2	5	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
225	SAGEBRUSH	2	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
226	SAGEBRUSH	2	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	18
227	SAGEBRUSH	2	8	ATRIPLEX CANESCENS	SHRUB	INVADED	DENSITY	4
228	SAGEBRUSH	2	8	ORYZOPSIS HYMENOIDES	GRASS	PLANTED	COVER	1
229	SAGEBRUSH	2	8	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
230	SAGEBRUSH	2	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	13
231	SAGEBRUSH	2	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	24
232	SAGEBRUSH	2	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
233	SAGEBRUSH	2	11	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	2
234	SAGEBRUSH	3	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	11
235	SAGEBRUSH	3	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	30
236	SAGEBRUSH	3	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	14
237	SAGEBRUSH	3	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	29
238	SAGEBRUSH	3	5	ATRIPLEX CANESCENS	SHRUB	INVADED	DENSITY	3
239	SAGEBRUSH	3	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	9
240	SAGEBRUSH	3	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	30
241	SAGEBRUSH	3	8	SALSOLA KALI	FORB	INVADED	COVER	1
242	SAGEBRUSH	3	8	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	3
243	SAGEBRUSH	3	8	SARCOBATUS VERMICULATUS	SHRUB	INVADED	COVER	6
244	SAGEBRUSH	3	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	11
245	SAGEBRUSH	3	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	34
246	SAGEBRUSH	3	11	CRUCIFERAE SPECIES	FORB	INVADED	COVER	1
247	SAGEBRUSH	3	11	ORYZOPSIS HYMENOIDES	GRASS	PLANTED	COVER	4
248	SAGEBRUSH	3	11	POA SPECIES	GRASS	INVADED	COVER	2
249	SAGEBRUSH	3	11	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	2
250	SAGEBRUSH	3	11	SARCOBATUS VERMICULATUS	SHRUB	INVADED	COVER	3

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
251	SAGEBRUSH	10	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	21
252	SAGEBRUSH	10	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	20
253	SAGEBRUSH	10	2	ORYZOPSIS HYMENOIDES	GRASS	PLANTED	COVER	2
254	SAGEBRUSH	10	2	UNKNOWN FORB	FORB	INVADED	COVER	5
255	SAGEBRUSH	10	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	27
256	SAGEBRUSH	10	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	36
257	SAGEBRUSH	10	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
258	SAGEBRUSH	10	5	CRUCIFERAE SPECIES	FORB	INVADED	COVER	1
259	SAGEBRUSH	10	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	27
260	SAGEBRUSH	10	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	41
261	SAGEBRUSH	10	8	CRUCIFERAE SPECIES	FORB	INVADED	COVER	1
262	SAGEBRUSH	10	8	UNKNOWN FORB	FORB	INVADED	COVER	1
263	SAGEBRUSH	10	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
264	SAGEBRUSH	10	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	37
265	SAGEBRUSH	11	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	25
266	SAGEBRUSH	11	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	18
267	SAGEBRUSH	11	2	UNKNOWN FORB	FORB	INVADED	COVER	15
268	SAGEBRUSH	11	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	23
269	SAGEBRUSH	11	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	39
270	SAGEBRUSH	11	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	17
271	SAGEBRUSH	11	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	34
272	SAGEBRUSH	11	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2
273	SAGEBRUSH	11	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	10
274	SAGEBRUSH	11	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	34
275	SAGEBRUSH	11	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
276	SAGEBRUSH	4	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	25
277	SAGEBRUSH	4	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	32
278	SAGEBRUSH	4	2	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
279	SAGEBRUSH	4	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	13
280	SAGEBRUSH	4	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	36
281	SAGEBRUSH	4	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
282	SAGEBRUSH	4	5	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
283	SAGEBRUSH	4	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	25
284	SAGEBRUSH	4	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	39
285	SAGEBRUSH	4	8	BROMUS TECTORUM	GRASS	INVADED	COVER	1
286	SAGEBRUSH	4	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2
287	SAGEBRUSH	4	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	21
288	SAGEBRUSH	4	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	29
289	SAGEBRUSH	4	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	6
290	SAGEBRUSH	4	11	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	5
291	SAGEBRUSH	4	11	MACPAT	FORB	INVADED	COVER	4

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
292	SAGEBRUSH	5	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	19
293	SAGEBRUSH	5	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	29
294	SAGEBRUSH	5	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	34
295	SAGEBRUSH	5	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	19
296	SAGEBRUSH	5	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2
297	SAGEBRUSH	5	5	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
298	SAGEBRUSH	5	5	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	3
299	SAGEBRUSH	5	5	UNKNOWN FORB	FORB	INVADED	COVER	5
300	SAGEBRUSH	5	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	19
301	SAGEBRUSH	5	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	21
302	SAGEBRUSH	5	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	5
303	SAGEBRUSH	5	8	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	7
304	SAGEBRUSH	5	8	CRUCIFERAE SPECIES	FORB	INVADED	COVER	1
305	SAGEBRUSH	5	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	29
306	SAGEBRUSH	5	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	26
307	SAGEBRUSH	5	11	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	4
308	SAGEBRUSH	5	11	UNKNOWN FORB	FORB	INVADED	COVER	15

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
309	SAGEBRUSH	8	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	33
310	SAGEBRUSH	8	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	32
311	SAGEBRUSH	8	2	CRUCIFERAE SPECIES	FORB	INVADED	COVER	2
312	SAGEBRUSH	8	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	35
313	SAGEBRUSH	8	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	29
314	SAGEBRUSH	8	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	10
315	SAGEBRUSH	8	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	24
316	SAGEBRUSH	8	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	33
317	SAGEBRUSH	8	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	5
318	SAGEBRUSH	8	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	19
319	SAGEBRUSH	8	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	28
320	SAGEBRUSH	9	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	31
321	SAGEBRUSH	9	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	34
322	SAGEBRUSH	9	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	10
323	SAGEBRUSH	9	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	23
324	SAGEBRUSH	9	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	31
325	SAGEBRUSH	9	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	6
326	SAGEBRUSH	9	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	28
327	SAGEBRUSH	9	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	37
328	SAGEBRUSH	9	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
329	SAGEBRUSH	9	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	33

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
1	SAGEBRUSH	1	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	25
2	SAGEBRUSH	1	2	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	40
3	SAGEBRUSH	1	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	23
4	SAGEBRUSH	1	3	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	42
5	SAGEBRUSH	1	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	22
6	SAGEBRUSH	1	6	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	39
7	SAGEBRUSH	1	6	CHENOPODIUM SPECIES	FORB	INVADED	COVER	9
8	SAGEBRUSH	1	6	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	PLANTED	DENSITY	1
9	SAGEBRUSH	1	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	9
10	SAGEBRUSH	1	7	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	38
11	SAGEBRUSH	1	7	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
12	SAGEBRUSH	1	7	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	PLANTED	DENSITY	1
13	SAGEBRUSH	1	7	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
14	SAGEBRUSH	1	9		SHRUB	PLANTED	DENSITY	46
15	SAGEBRUSH	1	9	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	12
16	SAGEBRUSH	1	9	CHENOPODIUM SPECIES	FORB	INVADED	COVER	5
17	SAGEBRUSH	1	9	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	PLANTED	DENSITY	1
18	SAGEBRUSH	1	9	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
19	SAGEBRUSH	1	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	19
20	SAGEBRUSH	1	10	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	52
21	SAGEBRUSH	1	10	CHENOPODIUM SPECIES	FORB	INVADED	COVER	4
22	SAGEBRUSH	1	10	SARCOBATUS VERMICULATUS	SHRUB	INVADED	COVER	5
23	SAGEBRUSH	1	10	SARCOBATUS VERMICULATUS	SHRUB	PLANTED	DENSITY	2
24	SAGEBRUSH	1	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	15
25	SAGEBRUSH	1	11	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	35
26	SAGEBRUSH	1	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2
27	SAGEBRUSH	1	11	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	2
28	SAGEBRUSH	1	11	UNKNOWN FORB	FORB	INVADED	COVER	1
29	SAGEBRUSH	1	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	12
30	SAGEBRUSH	1	12	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	37
31	SAGEBRUSH	1	12	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
32	SAGEBRUSH	1	12	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	COVER	2
33	SAGEBRUSH	1	12	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	PLANTED	DENSITY	6
34	SAGEBRUSH	1	12	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
35	SAGEBRUSH	2	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	13
36	SAGEBRUSH	2	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	38
37	SAGEBRUSH	2	3	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
38	SAGEBRUSH	2	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	22
39	SAGEBRUSH	2	6	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	24
40	SAGEBRUSH	2	6	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	9
41	SAGEBRUSH	2	6	UNKNOWN FORB	FORB	INVADED	COVER	1
42	SAGEBRUSH	2	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	6
43	SAGEBRUSH	2	7	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	24
44	SAGEBRUSH	2	7	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
45	SAGEBRUSH	2	7	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	6
46	SAGEBRUSH	2	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	9
47	SAGEBRUSH	2	10	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	21

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
48	SAGEBRUSH	2	10	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
49	SAGEBRUSH	3	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	9
50	SAGEBRUSH	3	1	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	17
51	SAGEBRUSH	3	1	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
52	SAGEBRUSH	3	1	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	2
53	SAGEBRUSH	3	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	11
54	SAGEBRUSH	3	3	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	36
55	SAGEBRUSH	3	3	ATRIPLEX CANESCENS	SHRUB	INVADED	DENSITY	2
56	SAGEBRUSH	3	3	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
57	SAGEBRUSH	3	3	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
58	SAGEBRUSH	3	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	17
59	SAGEBRUSH	3	10	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	22
60	SAGEBRUSH	3	10	SARCOBATUS VERMICULATUS	SHRUB	INVADED	COVER	5
61	SAGEBRUSH	3	10	SARCOBATUS VERMICULATUS	SHRUB	PLANTED	DENSITY	4
62	SAGEBRUSH	3	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	16
63	SAGEBRUSH	3	12	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	29
64	SAGEBRUSH	3	12	ATRIPLEX CANESCENS	SHRUB	INVADED	DENSITY	2
65	SAGEBRUSH	3	12	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	3
66	SAGEBRUSH	6	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	19
67	SAGEBRUSH	6	1	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	37
68	SAGEBRUSH	6	1	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2
69	SAGEBRUSH	6	1	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	3
70	SAGEBRUSH	6	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	29
71	SAGEBRUSH	6	2	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	44
72	SAGEBRUSH	6	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
73	SAGEBRUSH	6	2	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	2
74	SAGEBRUSH	6	2	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	COVER	10
75	SAGEBRUSH	6	2	IPOMOPSIS AGGREGATA	FORB	INVADED	COVER	1
76	SAGEBRUSH	6	2	ORYZOPSIS HYMENOIDES	GRASS	PLANTED	COVER	2
77	SAGEBRUSH	6	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	20
78	SAGEBRUSH	6	3	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	45
79	SAGEBRUSH	6	3	CHENOPODIUM SPECIES	FORB	INVADED	COVER	4
80	SAGEBRUSH	6	3	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
81	SAGEBRUSH	6	3	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	1
82	SAGEBRUSH	6	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	28
83	SAGEBRUSH	6	6	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	44
84	SAGEBRUSH	6	6	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
85	SAGEBRUSH	6	6	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
86	SAGEBRUSH	6	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	23
87	SAGEBRUSH	6	7	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	37
88	SAGEBRUSH	6	7	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
89	SAGEBRUSH	6	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	29
90	SAGEBRUSH	6	10	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	42
91	SAGEBRUSH	6	10	CHENOPODIUM SPECIES	FORB	INVADED	COVER	5
92	SAGEBRUSH	6	10	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	2
93	SAGEBRUSH	6	11	AGROPYRON SPECIES	GRASS	INVADED	COVER	1
94	SAGEBRUSH	6	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	23

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
95	SAGEBRUSH	6	11	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	26
96	SAGEBRUSH	6	11	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	4
97	SAGEBRUSH	6	11	SALSOLA KALI	FORB	INVADED	COVER	1
98	SAGEBRUSH	6	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	28
99	SAGEBRUSH	6	12	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	27
100	SAGEBRUSH	6	12	CHENOPODIUM SPECIES	FORB	INVADED	COVER	12
101	SAGEBRUSH	6	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	3
102	SAGEBRUSH	6	12	UNKNOWN FORB	FORB	INVADED	COVER	1

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
103	SAGEBRUSH	7	1		MOSS	PLANTED	COVER	8
104	SAGEBRUSH	7	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	17
105	SAGEBRUSH	7	1	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	32
106	SAGEBRUSH	7	1	CHENOPODIUM SPECIES	FORB	INVADED	COVER	7
107	SAGEBRUSH	7	1	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	3
108	SAGEBRUSH	7	1	CRUCIFERAE SPECIES	FORB	INVADED	COVER	4
109	SAGEBRUSH	7	1	CRYPTANTHA SERICEA	FORB	INVADED	COVER	3
110	SAGEBRUSH	7	1	SITANION HYSTRIX	GRASS	INVADED	COVER	2
111	SAGEBRUSH	7	1	UNKNOWN FORB	FORB	INVADED	COVER	1
112	SAGEBRUSH	7	2		MOSS	PLANTED	COVER	5
113	SAGEBRUSH	7	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	20
114	SAGEBRUSH	7	2	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	34
115	SAGEBRUSH	7	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
116	SAGEBRUSH	7	2	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	2
117	SAGEBRUSH	7	5		MOSS	PLANTED	COVER	6
118	SAGEBRUSH	7	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	13
119	SAGEBRUSH	7	5	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	41
120	SAGEBRUSH	7	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
121	SAGEBRUSH	7	5	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
122	SAGEBRUSH	7	5	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
123	SAGEBRUSH	7	5	PHYSARIA FLORIBUNDA	FORB	INVADED	COVER	1
124	SAGEBRUSH	7	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	30
125	SAGEBRUSH	7	7	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	41
126	SAGEBRUSH	7	7	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
127	SAGEBRUSH	7	7	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	COVER	2
128	SAGEBRUSH	7	7	PHYSARIA FLORIBUNDA	FORB	INVADED	COVER	1
129	SAGEBRUSH	7	8		MOSS	PLANTED	COVER	1
130	SAGEBRUSH	7	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	19
131	SAGEBRUSH	7	8	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	39
132	SAGEBRUSH	7	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	16
133	SAGEBRUSH	7	8	UNKNOWN FORB	FORB	INVADED	COVER	1
134	SAGEBRUSH	7	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	22
135	SAGEBRUSH	7	10	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	32

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
136	SAGEBRUSH	7	10	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
137	SAGEBRUSH	7	11		MOSS	PLANTED	COVER	7
138	SAGEBRUSH	7	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	35
139	SAGEBRUSH	7	11	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	24
140	SAGEBRUSH	7	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	4
141	SAGEBRUSH	7	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	35
142	SAGEBRUSH	7	12	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	28
143	SAGEBRUSH	7	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	3
144	SAGEBRUSH	7	12	SPHAERALCEA COCCINEA	FORB	INVADED	COVER	2
145	SAGEBRUSH	7	12	UNKNOWN FORB	FORB	INVADED	COVER	1
146	SAGEBRUSH	10	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	24
147	SAGEBRUSH	10	1	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	39
148	SAGEBRUSH	10	1	CHENOPODIUM SPECIES	FORB	INVADED	COVER	1
149	SAGEBRUSH	10	1	CRUCIFERAE SPECIES	FORB	INVADED	COVER	2
150	SAGEBRUSH	10	1	IPOMOPSIS AGGREGATA	FORB	INVADED	COVER	1
151	SAGEBRUSH	10	1	ORYZOPSIS HYMENOIDES	GRASS	PLANTED	COVER	2
152	SAGEBRUSH	10	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	25
153	SAGEBRUSH	10	3	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	28
154	SAGEBRUSH	10	3	CHENOPODIUM SPECIES	FORB	INVADED	COVER	22
155	SAGEBRUSH	10	3	CRUCIFERAE SPECIES	FORB	INVADED	COVER	1
156	SAGEBRUSH	10	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	17
157	SAGEBRUSH	10	7	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	44
158	SAGEBRUSH	10	9	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	23
159	SAGEBRUSH	10	9	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	44
160	SAGEBRUSH	11	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	21
161	SAGEBRUSH	11	3	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	41
162	SAGEBRUSH	11	3	CHENOPODIUM SPECIES	FORB	INVADED	COVER	12
163	SAGEBRUSH	11	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	23
164	SAGEBRUSH	11	6	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	41
165	SAGEBRUSH	11	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	16
166	SAGEBRUSH	11	10	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	33
167	SAGEBRUSH	12	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	35
168	SAGEBRUSH	12	2	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	23
169	SAGEBRUSH	12	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	46
170	SAGEBRUSH	12	3	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	35
171	SAGEBRUSH	12	3	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	29
172	SAGEBRUSH	12	3	CHENOPODIUM SPECIES	FORB	INVADED	COVER	16
173	SAGEBRUSH	12	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	25
174	SAGEBRUSH	12	5	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	41
175	SAGEBRUSH	12	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	29
176	SAGEBRUSH	12	6	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	39
177	SAGEBRUSH	12	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	22
178	SAGEBRUSH	12	8	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	43
179	SAGEBRUSH	12	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	28
180	SAGEBRUSH	12	10	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	44
181	SAGEBRUSH	12	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	7
182	SAGEBRUSH	12	11	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	33

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
183	SAGEBRUSH	12	11	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	3
184	SAGEBRUSH	12	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	23
185	SAGEBRUSH	12	12	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	37

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
186	SAGEBRUSH	4	4	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	10
187	SAGEBRUSH	4	4	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	30
188	SAGEBRUSH	4	4	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2
189	SAGEBRUSH	4	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	24
190	SAGEBRUSH	4	6	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	30
191	SAGEBRUSH	4	6	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
192	SAGEBRUSH	4	6	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	COVER	4
193	SAGEBRUSH	4	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	5
194	SAGEBRUSH	4	7	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	28
195	SAGEBRUSH	4	7	CHENOPODIUM SPECIES	FORB	INVADED	COVER	13
196	SAGEBRUSH	4	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
197	SAGEBRUSH	4	12	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	40
198	SAGEBRUSH	4	12	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
199	SAGEBRUSH	4	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	COVER	9
200	SAGEBRUSH	4	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	PLANTED	DENSITY	2
201	SAGEBRUSH	4	12	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	1
202	SAGEBRUSH	5	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	14
203	SAGEBRUSH	5	1	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	30
204	SAGEBRUSH	5	1	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2
205	SAGEBRUSH	5	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	25
206	SAGEBRUSH	5	6	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	42
207	SAGEBRUSH	5	6	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
208	SAGEBRUSH	5	6	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
209	SAGEBRUSH	5	6	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	COVER	2
210	SAGEBRUSH	5	6	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	2
211	SAGEBRUSH	5	6	CRUCIFERAE SPECIES	FORB	INVADED	COVER	5
212	SAGEBRUSH	5	9	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	26
213	SAGEBRUSH	5	9	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	37
214	SAGEBRUSH	5	9	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	6
215	SAGEBRUSH	5	10	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	10
216	SAGEBRUSH	5	10	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	46
217	SAGEBRUSH	5	10	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	5
218	SAGEBRUSH	5	10	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	1

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
219	SAGEBRUSH	8	4	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
220	SAGEBRUSH	8	4	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	35
221	SAGEBRUSH	8	4	CHENOPODIUM SPECIES	FORB	INVADED	COVER	22
222	SAGEBRUSH	8	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	31
223	SAGEBRUSH	8	6	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	32
224	SAGEBRUSH	8	6	CHENOPODIUM SPECIES	FORB	INVADED	COVER	26
225	SAGEBRUSH	8	6	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	1
226	SAGEBRUSH	8	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	20
227	SAGEBRUSH	8	7	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	43
228	SAGEBRUSH	8	7	CHENOPODIUM SPECIES	FORB	INVADED	COVER	37
229	SAGEBRUSH	8	7	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
230	SAGEBRUSH	8	12		MOSS	PLANTED	COVER	2
231	SAGEBRUSH	8	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	34
232	SAGEBRUSH	8	12	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	32
233	SAGEBRUSH	8	12	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2
234	SAGEBRUSH	8	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
235	SAGEBRUSH	9	1	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	11
236	SAGEBRUSH	9	1	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	31
237	SAGEBRUSH	9	1	CHENOPODIUM SPECIES	FORB	INVADED	COVER	6
238	SAGEBRUSH	9	1	CRUCIFERAE SPECIES	FORB	INVADED	COVER	1
239	SAGEBRUSH	9	6	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	36
240	SAGEBRUSH	9	6	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	41
241	SAGEBRUSH	9	6	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
242	SAGEBRUSH	9	7	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	10
243	SAGEBRUSH	9	7	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	31
244	SAGEBRUSH	9	7	CHENOPODIUM SPECIES	FORB	INVADED	COVER	23
245	SAGEBRUSH	9	7	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
246	SAGEBRUSH	9	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	26
247	SAGEBRUSH	9	12	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	38
248	SAGEBRUSH	9	12	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
249	SAGEBRUSH	11	12	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
250	SAGEBRUSH	11	12	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	35
251	SAGEBRUSH	11	12	CHENOPODIUM SPECIES	FORB	INVADED	COVER	2

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
252	SAGEBRUSH	2	2	AGROPYRON SPECIES	GRASS	PLANTED	COVER	1
253	SAGEBRUSH	2	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	1
254	SAGEBRUSH	2	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	23
255	SAGEBRUSH	2	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	41
256	SAGEBRUSH	2	5	AGROPYRON SPECIES	GRASS	PLANTED	COVER	3
257	SAGEBRUSH	2	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	7
258	SAGEBRUSH	2	5	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	28
259	SAGEBRUSH	2	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	11
260	SAGEBRUSH	2	5	ORYZOPSIS HYMENOIDES	GRASS	PLANTED	COVER	1
261	SAGEBRUSH	2	5	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	5
262	SAGEBRUSH	2	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	20
263	SAGEBRUSH	2	8	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	27
264	SAGEBRUSH	2	8	ATRIPLEX CANESCENS	SHRUB	INVADED	DENSITY	2
265	SAGEBRUSH	2	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	27
266	SAGEBRUSH	2	8	SALSOLA KALI	FORB	INVADED	COVER	26
267	SAGEBRUSH	2	8	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
268	SAGEBRUSH	2	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	11
269	SAGEBRUSH	2	11	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	23
270	SAGEBRUSH	2	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	23
271	SAGEBRUSH	2	11	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
272	SAGEBRUSH	3	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	11
273	SAGEBRUSH	3	2	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	21
274	SAGEBRUSH	3	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	35
275	SAGEBRUSH	3	2	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	2
276	SAGEBRUSH	3	5	AGROPYRON SPECIES	GRASS	PLANTED	COVER	4
277	SAGEBRUSH	3	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	11
278	SAGEBRUSH	3	5	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	33
279	SAGEBRUSH	3	5	ATRIPLEX CANESCENS	SHRUB	INVADED	DENSITY	1
280	SAGEBRUSH	3	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
281	SAGEBRUSH	3	5	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
282	SAGEBRUSH	3	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	3
283	SAGEBRUSH	3	8	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	23
284	SAGEBRUSH	3	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	56
285	SAGEBRUSH	3	8	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	5
286	SAGEBRUSH	3	8	SARCOBATUS VERMICULATUS	SHRUB	PLANTED	COVER	4
287	SAGEBRUSH	3	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	DENSITY	21
288	SAGEBRUSH	3	11	ATRIPLEX CANESCENS	SHRUB	INVADED	DENSITY	1
289	SAGEBRUSH	3	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	3
290	SAGEBRUSH	3	11	SALSOLA KALI	FORB	INVADED	COVER	21
291	SAGEBRUSH	3	11	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	3
292	SAGEBRUSH	3	11	UNKNOWN GRASS	GRASS	INVADED	COVER	1

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OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
293	SAGEBRUSH	10	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	21
294	SAGEBRUSH	10	2	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	39
295	SAGEBRUSH	10	2	ORYZOPSIS HYMENOIDES	GRASS	PLANTED	COVER	2
296	SAGEBRUSH	10	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	16
297	SAGEBRUSH	10	5	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	36
298	SAGEBRUSH	10	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	42
299	SAGEBRUSH	10	5	CRUCIFERAE SPECIES'	FORB	INVADED	COVER	1
300	SAGEBRUSH	10	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	9
301	SAGEBRUSH	10	8	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	47
302	SAGEBRUSH	10	8	MEDICAGO SATIVA	FORB	INVADED	COVER	1
303	SAGEBRUSH	10	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	4
304	SAGEBRUSH	10	11	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	36
305	SAGEBRUSH	10	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	13
306	SAGEBRUSH	11	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	17
307	SAGEBRUSH	11	2	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	41
308	SAGEBRUSH	11	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	7
309	SAGEBRUSH	11	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	11
310	SAGEBRUSH	11	5	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	43
311	SAGEBRUSH	11	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	17
312	SAGEBRUSH	11	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
313	SAGEBRUSH	11	8	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	41
314	SAGEBRUSH	11	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	32
315	SAGEBRUSH	11	11	AGROPYRON SPECIES	GRASS	PLANTED	COVER	1
316	SAGEBRUSH	11	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	7
317	SAGEBRUSH	11	11	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	32
318	SAGEBRUSH	11	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	8
319	SAGEBRUSH	11	11	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1

---------- CHOP=ROTOCHOPPED SEED=NOT SEEDED FERTILIZ=FERTILIZED ORIENT=PERPENDICULAR TO WIND ----------

OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
320	SAGEBRUSH	4	2	AGROPYRON SPECIES	GRASS	PLANTED	COVER	15
321	SAGEBRUSH	4	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	17
322	SAGEBRUSH	4	2	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	29
323	SAGEBRUSH	4	2	ASTRAGALUS CICER	FORB	PLANTED	COVER	1
324	SAGEBRUSH	4	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	13
325	SAGEBRUSH	4	2	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
326	SAGEBRUSH	4	2	ORYZOPSIS HYMENOIDES	GRASS	PLANTED	COVER	1
327	SAGEBRUSH	4	2	UNKNOWN FORB	FORB	INVADED	COVER	1
328	SAGEBRUSH	4	5	AGROPYRON SPECIES	GRASS	PLANTED	COVER	8
329	SAGEBRUSH	4	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	5
330	SAGEBRUSH	4	5	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	28
331	SAGEBRUSH	4	5	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
332	SAGEBRUSH	4	5	SALSOLA KALI	FORB	INVADED	COVER	36
333	SAGEBRUSH	4	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	17

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HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

---------- CHOP=ROTOCHOPPED SEED=NOT SEEDED FERTILIZ=FERTILIZED ORIENT=PERPENDICULAR TO WIND ----------

OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
334	SAGEBRUSH	4	8	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	44
335	SAGEBRUSH	4	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	19
336	SAGEBRUSH	4	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	13
337	SAGEBRUSH	4	11	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	25
338	SAGEBRUSH	4	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	56
339	SAGEBRUSH	4	11	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	4
340	SAGEBRUSH	4	11	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	1
341	SAGEBRUSH	4	11	SALSOLA KALI	FORB	INVADED	COVER	8
342	SAGEBRUSH	5	2	AGROPYRON SPECIES	GRASS	PLANTED	COVER	5
343	SAGEBRUSH	5	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	8
344	SAGEBRUSH	5	2	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	36
345	SAGEBRUSH	5	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	16
346	SAGEBRUSH	5	5	AGROPYRON SPECIES	GRASS	PLANTED	COVER	3
347	SAGEBRUSH	5	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	17
348	SAGEBRUSH	5	5	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	75
349	SAGEBRUSH	5	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	26
350	SAGEBRUSH	5	5	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
351	SAGEBRUSH	5	5	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	3
352	SAGEBRUSH	5	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	13
353	SAGEBRUSH	5	8	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	31
354	SAGEBRUSH	5	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	5
355	SAGEBRUSH	5	8	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	10
356	SAGEBRUSH	5	8	CHRYSOTHAMNUS VISCIDIFLORUS	SHRUB	INVADED	DENSITY	1
357	SAGEBRUSH	5	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	28
358	SAGEBRUSH	5	11	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	48
359	SAGEBRUSH	5	11	CAREX SPECIES	GRASS	INVADED	COVER	1
360	SAGEBRUSH	5	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	34
361	SAGEBRUSH	5	11	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	2

---------- CHOP=ROTOCHOPPED SEED=NOT SEEDED FERTILIZ=FERTILIZED ORIENT=PARALLEL TO WIND ----------

OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
362	SAGEBRUSH	8	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
363	SAGEBRUSH	8	2	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	51
364	SAGEBRUSH	8	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	14
365	SAGEBRUSH	8	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	12
366	SAGEBRUSH	8	5	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	35
367	SAGEBRUSH	8	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	36
368	SAGEBRUSH	8	5	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
369	SAGEBRUSH	8	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	15
370	SAGEBRUSH	8	8	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	41
371	SAGEBRUSH	8	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	23
372	SAGEBRUSH	8	11	AGROPYRON SPECIES	GRASS	PLANTED	COVER	8
373	SAGEBRUSH	8	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	20
374	SAGEBRUSH	8	11	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	39

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---------- CHOP=ROTOCHOPPED SEED=NOT SEEDED FERTILIZ=FERTILIZED ORIENT=PARALLEL TO WIND ----------

OBS	VEG_TYPE	TRANSECT	PLOT	SPECIES	GR_FRM	INVAD	PARAM	COVER
375	SAGEBRUSH	8	11	MEDICAGO SATIVA	FORB	INVADED	COVER	1
376	SAGEBRUSH	9	2	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	24
377	SAGEBRUSH	9	2	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	29
378	SAGEBRUSH	9	2	CHENOPODIUM SPECIES	FORB	INVADED	COVER	45
379	SAGEBRUSH	9	2	CHRYSOTHAMNUS NAUSEOSUS	SHRUB	INVADED	DENSITY	1
380	SAGEBRUSH	9	5	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	15
381	SAGEBRUSH	9	5	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	44
382	SAGEBRUSH	9	5	CHENOPODIUM SPECIES	FORB	INVADED	COVER	23
383	SAGEBRUSH	9	5	UNKNOWN FORB	FORB	INVADED	COVER	1
384	SAGEBRUSH	9	8	AGROPYRON SPECIES	GRASS	PLANTED	COVER	2
385	SAGEBRUSH	9	8	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	21
386	SAGEBRUSH	9	8	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	42
387	SAGEBRUSH	9	8	CHENOPODIUM SPECIES	FORB	INVADED	COVER	11
388	SAGEBRUSH	9	8	SARCOBATUS VERMICULATUS	SHRUB	INVADED	DENSITY	1
389	SAGEBRUSH	9	11	AGROPYRON SPECIES	GRASS	PLANTED	COVER	3
390	SAGEBRUSH	9	11	ARTEMISIA TRIDENTATA	SHRUB	INVADED	COVER	18
391	SAGEBRUSH	9	11	ARTEMISIA TRIDENTATA	SHRUB	PLANTED	DENSITY	46
392	SAGEBRUSH	9	11	CHENOPODIUM SPECIES	FORB	INVADED	COVER	23

APPENDIX 6-4.2

Analyses of Mule Deer Habitat Modification Study Data

Results of T-tests comparing cover and density between test plot orientations.

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HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT
TEST OF THE ORIENTATION OF THE HABITAT MODIFICATION COVER DATA

TTEST PROCEDURE

VARIABLE: ASPC ARCSINE TRANSFORMATION OF PERCENT COVER

ORIENT	N	MEAN	STD DEV	STD ERROR
PARALLEL TO WIND	202	0.15156127	0.12502194	0.00879651
PERPENDICULAR TO	207	0.12157384	0.11023893	0.00766561

VARIANCES	T	DF	PROB > |T|
UNEQUAL	2.5701	398.2	0.0105
EQUAL	2.5740	407.0	0.0104

FOR HO: VARIANCES ARE EQUAL, F'= 1.29 WITH 201 AND 206 DF
PROB > F'= 0.0742

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HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT
TEST OF THE ORIENTATION OF THE HABITAT MODIFICATION DENSITY DATA

TTEST PROCEDURE

VARIABLE: DENSITY

ORIENT	N	MEAN	STD DEV	STD ERROR
PARALLEL TO WIND	119	2.85630252	1.46759567	0.13453427
PERPENDICULAR TO	193	1.73367876	1.61759706	0.11643718

VARIANCES	T	DF	PROB > |T|
UNEQUAL	6.3096	268.4	0.0001
EQUAL	6.1656	310.0	0.0001

FOR HO: VARIANCES ARE EQUAL, F'= 1.21 WITH 192 AND 118 DF
PROB > F'= 0.2494

Results of three-way ANOVA's comparing cover (arcsine transformed estimates) and density for all species by study plot orientation. These analyses correspond to those summarized on Table 6-62.

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HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

THREE-WAY MODEL I ANALYSIS OF VARIANCE
ORIENTATION=PERPENDICULAR TO WIND

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
FERTILIZ	2	FERTILIZED NOT FERTILIZED
SEED	1	NOT SEEDED
CHOP	2	NOT CHOPPED ROTOCHOPPED

NUMBER OF OBSERVATIONS IN BY GROUP = 207

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HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

THREE-WAY MODEL I ANALYSIS OF VARIANCE
ORIENTATION=PERPENDICULAR TO WIND

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC ARCSINE TRANSFORMATION OF PERCENT COVER

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE
MODEL	3	0.02204255	0.00734752	0.60
ERROR	203	2.48366906	0.01223482	PR > F
CORRECTED TOTAL	206	2.50571161		0.6194

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.008797	90.9827	0.11061113	0.12157384

SOURCE	DF	TYPE I SS	F VALUE	PR > F
FERTILIZ	1	0.01895425	1.55	0.2147
SEED	0	0.00000000	.	.
CHOP	1	0.00150341	0.12	0.7263
FERTILIZ*SEED	0	0.00000000	.	.
FERTILIZ*CHOP	1	0.00158489	0.13	0.7193
SEED*CHOP	0	0.00000000	.	.
FERTILIZ*SEED*CHOP	0	0.00000000	.	.

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HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

THREE-WAY MODEL I ANALYSIS OF VARIANCE
ORIENTATION=PARALLEL TO WIND

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
FERTILIZ	2	FERTILIZED NOT FERTILIZED
SEED	2	NOT SEEDED SEEDED
CHOP	2	NOT CHOPPED ROTOCHOPPED

NUMBER OF OBSERVATIONS IN BY GROUP = 202

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TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

THREE-WAY MODEL I ANALYSIS OF VARIANCE
ORIENTATION=PARALLEL TO WIND

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC ARCSINE TRANSFORMATION OF PERCENT COVER

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE
MODEL	4	0.16589696	0.04147424	2.75
ERROR	197	2.97583062	0.01510574	PR > F
CORRECTED TOTAL	201	3.14172758		0.0296

R-SQUARE	C.V.	STD DEV	ASPC MEAN
0.052804	81.0929	0.12290541	0.15156127

SOURCE	DF	TYPE I SS	F VALUE	PR > F
FERTILIZ	1	0.13348574	8.84	0.0033
SEED	1	0.01388815	0.92	0.3388
CHOP	1	0.01794878	1.19	0.2770
FERTILIZ*SEED	0	0.00000000	.	.
FERTILIZ*CHOP	1	0.00057429	0.04	0.8456
SEED*CHOP	0	0.00000000	.	.
FERTILIZ*SEED*CHOP	0	0.00000000	.	.

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HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

THREE-WAY MODEL I ANALYSIS OF VARIANCE
ORIENTATION=PERPENDICULAR TO WIND

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
FERTILIZ	2	FERTILIZED NOT FERTILIZED
SEED	1	NOT SEEDED
CHOP	2	NOT CHOPPED ROTOCHOPPED

NUMBER OF OBSERVATIONS IN BY GROUP = 193

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HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

THREE-WAY MODEL I ANALYSIS OF VARIANCE
ORIENTATION=PERPENDICULAR TO WIND

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: DENSITY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE
MODEL	3	4.99294604	1.66431535	0.63
ERROR	189	497.39814205	2.63173620	PR > F
CORRECTED TOTAL	192	502.39108808		0.5989

R-SQUARE	C.V.	STD DEV	DENSITY MEAN
0.009938	93.5734	1.62226268	1.73367876

SOURCE	DF	TYPE I SS	F VALUE	PR > F
FERTILIZ	1	2.01648207	0.77	0.3825
SEED	0	0.00000000	.	.
CHOP	1	2.21042558	0.84	0.3606
FERTILIZ*SEED	0	0.00000000	.	.
FERTILIZ*CHOP	1	0.76603838	0.29	0.5902
SEED*CHOP	0	0.00000000	.	.
FERTILIZ*SEED*CHOP	0	0.00000000	.	.

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TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

THREE-WAY MODEL I ANALYSIS OF VARIANCE
ORIENTATION=PARALLEL TO WIND

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
FERTILIZ	2	FERTILIZED NOT FERTILIZED
SEED	2	NOT SEEDED SEEDED
CHOP	2	NOT CHOPPED ROTOCHOPPED

NUMBER OF OBSERVATIONS IN BY GROUP = 119

RIO BLANCO OIL SHALE COMPANY
TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

THREE-WAY MODEL I ANALYSIS OF VARIANCE
ORIENTATION=PARALLEL TO WIND

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: DENSITY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE
MODEL	4	16.72622512	4.18155628	2.01
ERROR	114	237.42654799	2.08268902	PR > F
CORRECTED TOTAL	118	254.15277311		0.0981

R-SQUARE	C.V.	STD DEV	DENSITY MEAN
0.065812	50.5252	1.44315246	2.85630252

SOURCE	DF	TYPE I SS	F VALUE	PR > F
FERTILIZ	1	4.18539245	2.01	0.1590
SEED	1	1.01406828	0.49	0.4867
CHOP	1	10.84935487	5.21	0.0243
FERTILIZ*SEED	0	0.00000000	.	.
FERTILIZ*CHOP	1	0.67740953	0.33	0.5696
SEED*CHOP	0	0.00000000	.	.
FERTILIZ*SEED*CHOP	0	0.00000000	.	.

APPENDIX 6-6

Range Exclosure Data and Analysis

APPENDIX 6-6.1

Range Exclosure Cover and Biomass Data

Scientific names associated with species abbreviations are presented on the following list. Growth form (Gr Frm) designations are: shrubs (S), trees (T), grasses (G), forbs (F), lichens (L), mosses (M), duff/litter (D), bare soil (B), and rock (R). Parameter (Param) abbreviations are density (D), and cover (C).

Sample plot (SP) format for shrub density was 5 x 6 meters and the numbers listed for each plot are actual count data. Cover values for shrubs within each plot represent the number of meters intercepted by the canopy of respective species along a 5 meter portion of the transect. The numbers should be interpreted as having one decimal place, so that 19 on the printout corresponds to 1.9 meters coverage along the 5 meter segment of the transect. Grass and forb coverage values for each plot are estimates made within 1 x 1 m microplots and are percent data.

RIO BLANCO OIL SHALE COMPANY
VEGETATION MONITORING PROGRAM
RANGE EXCLOSURE STUDIES - SPECIES LIST

CODE	NAME
AGRSPP	AGROPYRON SPECIES
ASTDIV	ASTRAGALUS DIVERSIFOLIUS
ASTPUR	ASTRAGALUS PURSHII
BROTEC	BROMUS TECTORUM
CARSPP	CAREX SPECIES
CRUSPP	CRUCIFERAE SPECIES
GUTSAR	GUTIERREZIA SAROTHRAE
HAPNUT	HAPLOPAPPUS NUTTALLII
HEDBOR	HEDYSARUM BOREALE
HORJUB	HORDEUM JUBATUM
IPOAGG	IPOMOPSIS AGGREGATA
KOECRI	KOELERIA CRISTATA
LEPPER	LEPIDIUM PERFOLIATUM
ORYHYM	ORYZOPSIS HYMENOIDES
PENSPP	PENSTEMON SPECIES
PHYFLO	PHYSARIA FLORIBUNDA
POASPP	POA SPECIES
SENMUL	SENECIO MULTILOBATUS
SISLIN	SISYMBRIUM LINIFOLIUM
SITHYS	SITANION HYSTRIX
SPHCOC	SPHAERALCEA COCCINEA
TRIGYM	TRIFOLIUM GYMNOCARPON
UNKCOM	UNKNOWN COMPOSITE

Cover estimates for species occurring within compartments of the range exclosure study site.

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE - COVER DATA 1981

OBS	VEGTYPE	TRANSECT	DATE	SPECIES		GRFRM	PARAM	SP0	SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11	SP12	SP13	SP14	SP15	SP16	SP17	SP18	SP19	SP20	SP21	SP22	SP23	SP24	SP25	SP26	SP27	SP28	SP29
1	PJ	A	63081			B	C	0	0	50	10	0	0	0	5	10	65	10	20	0	0	40	0	20	0	0	0	55	10	0	15	0	40	5	0	10			
2	PJ	A	63081			D	C	90	5	50	85	40	15	50	80	5	0	5	50	35	60	0	75	30	85	20	75	0	50	55	50	75	0	25	70	45			
3	PJ	A	63081			R	C	5	95	0	5	60	65	40	15	85	35	50	30	65	0	60	0	50	10	75	5	25	40	30	30	25	35	50	25	30			
4	PJ	A	63081	AGR	SPP	G	C	5	0	0	0	0	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0			
5	PJ	A	63081	BRO	TEC	G	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0			
6	PJ	A	63081	CAR	SPP	G	C	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7	PJ	A	63081	LEP	PER	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
8	PJ	A	63081	ORY	HYM	G	C	0	0	0	0	0	5	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
9	PJ	A	63081	PHY	FLO	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
10	PJ	A	63081	POA	SPP	G	C	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	20	20	0	15	1	0	0	20	0	15			
11	PJ	A	63081	SEN	MUL	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0			
12	PJ	A	63081	SIT	HYS	G	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0			
13	PJ	B	63081			B	C	0	11	71	63	70	24	2	28	51	47	4	34	27	60	7	58	41	56	60	32	38	17	10	14	4	24	24	8	10			

OBS	SP30	SP31	SP32	SP33	SP34	SP35	SP36	SP37	SP38	SP39	SP40	SP41	SP42	SP43	SP44	SP45	SP46	SP47	SP48	SP49	SP50	SP51	SP52	SP53	SP54	SP55	SP56	SP57	SP58	SP59	SP60	SP61	SP62	SP63	SP64	SP65	SP66	SP67	SP68	SP69	SP70	SP71	SP72	SP73	SP74	SP75
1	10	10	25	45	78	25	20	74	12	4	4	10	0	0	13	0	50	0	75	10	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	30	10	20	25	5	15	0	20	10	81	86	80	100	90	50	45	5	100	10	80	15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3	60	50	54	25	12	60	80	25	78	15	10	10	0	10	10	40	20	0	15	10	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10	0	30	0	0	5	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13	23	29	69	0	19	62	19	33	0	50	0	66	0	0	46	4	59	54	53	23	5	77	2	7	16	2	42	39	44	12	60	32	29	32	33	26											

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	SP 6 6 S	SP 6 7 S	SP 6 8 S	SP 6 9 S	SP 7 0 S	SP 7 1 S	SP 7 2 S	SP 7 3 S	SP 7 4 S	SP 7 5 S	SP 7 6 S	SP 7 7 S	SP 7 8 S	SP 7 9 S	SP 8 0 S	SP 8 1 S	SP 8 2 S	SP 8 3 S	SP 8 4 S	SP 8 5 S	SP 8 6 S	SP 8 7 S	SP 8 8 S	SP 8 9 S	SP 9 0 S	SP 9 1 S	SP 9 2 S	SP 9 3 S	SP 9 4 S	SP 9 5 S	SP 9 6 S	SP 9 7 S	SP 9 8 S	SP 9 9 S	SP 10 0 S	SP 10 1 S	SP 10 2 S	SP 10 3 S
1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
13	17	38	9	4	17	51	24	41	57	13	53	45	55	13	55	22	35	50	43	45	64	25	15	15	31	0	10	10	85	15	0	50	0	55	25	•	•	•

	SP 10 4 S	SP 10 5 S	SP 10 6 S	SP 10 7 S	SP 10 8 S	SP 10 9 S	SP 11 0 S	SP 11 1 S	SP 11 2 S	SP 11 3 S	SP 11 4 S	SP 11 5 S	SP 11 6 S	SP 11 7 S	SP 11 8 S	SP 11 9 S	SP 12 0 S	SP 12 1 S	SP 12 2 S	SP 12 3 S	SP 12 4 S	SP 12 5 S	SP 12 6 S	SP 12 7 S	SP 12 8 S	SP 12 9 S	SP 13 0 S	SP 13 1 S	SP 13 2 S	SP 13 3 S	SP 13 4 S	SP 13 5 S	SP 13 6 S	SP 13 7 S	SP 13 8 S	SP 13 9 S	SP 14 0 S	SP 14 1 S	SP 14 2 S	SP 14 3 S	SP 14 4 S	SP 14 5 S	SUM C O V	PER C O V	MEAN C O
1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	835	8.35	16.70
2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	2102	21.02	42.04
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1704	17.04	34.08
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	50	0.50	1.00
5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	25	0.25	0.50
6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10	0.10	0.20
7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1	0.01	0.02
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	40	0.40	0.80
9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1	0.01	0.02
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	191	1.91	3.82
11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	7	0.07	0.14
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	21	0.21	0.42
13	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	3049	30.49	30.49

RIO BLANCO OIL SHALE COMPANY
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OBS	VEG_TYPE	TRANSECT	DATE	SPECIES	GR_FRM	PAR	SP 01	SP 02	SP 03	SP 04	SP 05	SP 06	SP 07	SP 08	SP 09	SP 10	SP 11	SP 12	SP 13	SP 14	SP 15	SP 16	SP 17	SP 18	SP 19	SP 20	SP 21	SP 22	SP 23	SP 24	SP 25	SP 26	SP 27	SP 28	SP 29	SP 30	SP 31	SP 32	SP 33
14	PJ	B	63081		D	C	100	21	4	10	7	0	90	0	0	21	13	0	23	0	24	8	7	0	19	13	0	54	6	29	0	18	8	51	72	9	4	0	69
15	PJ	B	63181		M	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	PJ	B	63081		R	C	0	53	21	25	23	67	8	69	49	32	62	58	38	40	36	34	26	33	21	44	14	11	60	38	90	46	68	0	0	56	67	31	19
17	PJ	B	63081	AGR SPP	G	C	0	0	4	2	0	0	0	0	0	0	4	8	0	0	33	0	6	11	0	11	48	0	11	0	0	6	0	0	0	12	0	0	0
18	PJ	B	63081	AST DIV	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
19	PJ	B	63181	CAR SPP	G	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	PJ	B	63181	GUT SAR	S	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	PJ	B	63081	HAP NUT	F	C	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PJ	B	63181	IPO AGG	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PJ	B	63081	ORY HYM	G	C	0	15	0	0	0	9	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	13	0	6	3	0	0	0	0	0	0	0
24	PJ	B	63181	PHY FLO	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PJ	B	63081	POA SPP	G	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	PJ	E	63081	SEN MUL	F	C	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OBS	SP 34	SP 35	SP 36	SP 37	SP 38	SP 39	SP 40	SP 41	SP 42	SP 43	SP 44	SP 45	SP 46	SP 47	SP 48	SP 49	SP 50	SP 51	SP 52	SP 53	SP 54	SP 55	SP 56	SP 57	SP 58	SP 59	SP 60	SP 61	SP 62	SP 63	SP 64	SP 65	SP 66	SP 67	SP 68	SP 69	SP 70	SP 71	SP 72
14	36	11	13	54	14	0	100	6	94	98	6	23	16	22	12	3	56	13	89	38	0	49	4	6	0	31	11	24	6	3	43	7	28	4	27	4	51	6	28	4	3
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0
16	21	27	57	9	42	45	0	22	0	0	38	32	14	23	29	72	11	8	3	28	84	4	54	43	56	16	29	16	53	59	13	51	49	38	37	88	4	13	6	47	40
17	0	0	11	0	0	0	0	6	4	0	0	0	21	6	6	0	0	2	18	0	0	0	0	12	0	4	0	0	11	0	3	4	13	0	0	3	0	9	8	6	0
18	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
23	0	0	0	2	0	5	0	0	0	0	9	41	0	0	0	2	32	0	0	2	0	0	0	0	0	31	0	0	0	6	41	0	0	0	0	0	0	0	0	2	0
24	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	SP 75	SP 76	SP 77	SP 78	SP 79	SP 80	SP 81	SP 82	SP 83	SP 84	SP 85	SP 86	SP 87	SP 88	SP 89	SP 90	SP 91	SP 92	SP 93	SP 94	SP 95	SP 96	SP 97	SP 98	SP 99	SP 100	SP 101	SP 102	SP 103	SP 104	SP 105	SP 106	SP 107	SP 108	SP 109	SP 110	SP 111	SP 112	SP 113	SP 114	SP 115
14	43	0	35	30	5	10	5	60	50	20	25	20	0	0	0	40	100	30	20	15	0	60	25	57	5	25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16	11	15	5	5	60	35	70	5	0	25	20	15	75	70	55	25	0	25	52	0	65	25	25	15	40	30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	3	20	15	0	20	0	2	0	0	0	10	0	0	10	30	0	0	5	10	0	20	15	0	0	0	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
20	22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23	0	10	0	5	0	0	0	0	0	12	0	0	0	5	0	0	0	30	8	0	0	0	0	15	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
24	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

	SP 1	SP 2	SP 3	SP 4	SP 5	SP 6	SP 7	SP 8	SP 9	SP 10	SP 11	SP 12	SP 13	SP 14	SP 15	SP 16	SP 17	SP 18	SP 19	SP 20	SP 21	SP 22	SP 23	SP 24	SP 25	SP 26	SP 27	SP 28	SP 29	SP 30	SP 31	SP 32	SP 33	SP 34	SP 35	SP 36	SP 37	SP 38	SP 39	SP 40	SP 41	SUM $\bar{C}$ 0 V	PER $\bar{C}$ 0 V	MEAN $\bar{C}$ 0
14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2403	24.03	24.0300
15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	0.11	0.1100
16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3288	32.88	32.8800
17	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	468	4.68	4.6800
18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	0.04	0.0400
19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	15	0.15	0.1500
20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	23	0.23	0.2300
21	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	0.03	0.0300
22	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	0.04	0.0400
23	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	321	3.21	3.2100
24	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	0.09	0.0900
25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	74	0.74	0.7400
26	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	0.13	0.1300

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

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OBS	VEG_TYPE	TRANSECT	DATE	SPECIES	GRFORM	PARAM	SP 0 1	SP 0 2	SP 0 3	SP 0 4	SP 0 5	SP 0 6	SP 0 7	SP 0 8	SP 0 9	SP 1 0	SP 1 1	SP 1 2	SP 1 3	SP 1 4	SP 1 5	SP 1 6	SP 1 7	SP 1 8	SP 1 9	SP 2 0	SP 2 1	SP 2 2	SP 2 3	SP 2 4	SP 2 5	SP 2 6	SP 2 7	SP 2 8	SP 2 9	SP 3 0	SP 3 1	SP 3 2	SP 3 3
27	PJ	B	63081	SIS LIN	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PJ	B	63181	TRI GYM	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PJ	B	63081	UNK COM	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
30	PJ	C	70281		B	C	40	26	18	69	0	0	58	74	10	0	8	10	40	26	12	20	15	3	15	10	32	30	10	1	19	42	35	11	18	36	48	33	63
31	PJ	C	70281		D	C	24	7	2	0	84	82	3	4	45	100	60	55	15	10	10	26	50	82	65	5	12	40	10	70	11	3	3	3	73	20	8	0	8
32	PJ	C	70281		M	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	PJ	C	70281		R	C	35	43	48	31	12	15	39	18	5	0	18	3	15	25	25	36	5	5	3	39	44	3	60	15	40	55	62	74	9	29	44	64	29
34	PJ	C	70281	AGR SPP	G	C	0	0	3	0	0	0	0	4	2	0	1	0	0	6	4	0	40	0	0	0	10	0	0	0	12	0	0	0	0	11	0	0	0
35	PJ	C	70281	BRO TEC	G	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
36	PJ	C	70281	GUT SAR	S	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0
37	PJ	C	70281	HED BOR	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	PJ	C	70281	HOR JUB	G	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	PJ	C	70281	ORY HYM	G	C	0	13	0	0	0	0	0	0	0	0	0	0	0	10	0	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0

OBS	SP 3 3	SP 3 4	SP 3 5	SP 3 6	SP 3 7	SP 3 8	SP 3 9	SP 4 0	SP 4 1	SP 4 2	SP 4 3	SP 4 4	SP 4 5	SP 4 6	SP 4 7	SP 4 8	SP 4 9	SP 5 0	SP 5 1	SP 5 2	SP 5 3	SP 5 4	SP 5 5	SP 5 6	SP 5 7	SP 5 8	SP 5 9	SP 6 0	SP 6 1	SP 6 2	SP 6 3	SP 6 4	SP 6 5	SP 6 6	SP 6 7	SP 6 8	SP 6 9	SP 7 0	SP 7 1	SP 7 2	SP 7 3	SP 7 4
27	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	45	39	0	0	24	16	12	0	50	61	15	58	12	4	0	8	6	28	13	0	6	0	53	13	0	26	26	54	19	24	34	33	14	0	23	7	45	77	28	7	4
31	24	13	90	95	23	28	25	95	40	10	10	11	53	31	90	87	30	30	8	68	10	68	27	21	85	24	0	35	39	3	9	7	48	80	0	22	39	4	18	32	34
32	0	0	6	0	6	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	3	45	0	0	0	39	39	0	0	8	45	31	35	18	8	4	34	14	79	4	74	12	20	49	3	48	74	6	26	63	34	52	14	11	77	31	13	19	42	24	43
34	0	15	0	6	6	0	12	0	4	0	0	0	0	0	3	0	0	0	0	4	12	0	0	20	3	2	0	5	4	0	8	8	21	0	0	13	3	0	0	0	18
35	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
39	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	1	0	27	0	48	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0

RIO BLANCO OIL SHALE COMPANY
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	SP 0 7 5	SP 0 7 6	SP 0 7 7	SP 0 7 8	SP 0 7 9	SP 0 8 0	SP 0 8 1	SP 0 8 2	SP 0 8 3	SP 0 8 4	SP 0 8 5	SP 0 8 6	SP 0 8 7	SP 0 8 8	SP 0 8 9	SP 0 9 0	SP 0 9 1	SP 0 9 2	SP 0 9 3	SP 0 9 4	SP 0 9 5	SP 0 9 6	SP 0 9 7	SP 0 9 8	SP 0 9 9	SP 1 0 0	SP 1 0 1	SP 1 0 2	SP 1 0 3	SP 1 0 4	SP 1 0 5	SP 1 0 6	SP 1 0 7	SP 1 0 8	SP 1 0 9	SP 1 1 0	SP 1 1 1	SP 1 1 2	SP 1 1 3	SP 1 1 4	SP 1 1 5
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
28	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30	23	16	7	30	7	52	25	28	23	8	37	38	29	58	17	51	3	84	13	3	27	5	17	32	33	4	6	12	20	32	47	30	26	21	0	36	39	43	20	0
31	75	10	11	49	40	1	64	49	13	36	17	7	71	11	0	0	83	9	10	97	40	6	4	32	63	38	59	0	4	6	0	0	31	39	71	40	32	8	44	88
32	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	2	53	76	3	29	47	11	4	51	48	18	31	0	21	83	49	14	2	51	0	33	89	79	12	4	31	34	87	76	38	53	41	19	13	29	18	14	39	23	6
34	0	11	6	0	7	0	0	0	3	0	2	0	0	0	0	0	0	5	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	30	0	0	0	0	42	0	0	0	10	0	0	0	0	20	0	0	0	0	5	0	0	0	1	0	21	0	0	5	0	0	0	0	1	0	1

	SP 1 1 6	SP 1 1 7	SP 1 1 8	SP 1 1 9	SP 1 2 0	SP 1 2 1	SP 1 2 2	SP 1 2 3	SP 1 2 4	SP 1 2 5	SP 1 2 6	SP 1 2 7	SP 1 2 8	SP 1 2 9	SP 1 3 0	SP 1 3 1	SP 1 3 2	SP 1 3 3	SP 1 3 4	SP 1 3 5	SP 1 3 6	SP 1 3 7	SP 1 3 8	SP 1 3 9	SP 1 4 0	SP 1 4 1	SP 1 4 2	SP 1 4 3	SP 1 4 4	SP 1 4 5	SP 1 4 6	SP 1 4 7	SP 1 4 8	SP 1 4 9	SP 1 5 0	SUM COV	PER COV	MEAN C
27	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	2	0.02	0.0200
28	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	2	0.02	0.0200
29	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	2	0.02	0.0200
30	37	10	31	39	46	54	0	14	50	31	62	68	51	7	25	51	35	7	51	3	24	30	0	31	7	0	44	5	7	2	0	0	30	4	44	3671	36.71	24.4733
31	5	50	56	50	48	4	99	17	22	28	4	0	0	50	2	15	50	8	15	91	7	39	85	30	50	45	15	5	0	90	95	4	30	35	45	4926	49.26	32.8400
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0.21	0.1400
33	58	6	12	7	3	38	1	61	24	24	32	32	49	6	73	34	15	60	28	4	66	6	0	21	0	25	33	75	93	5	3	95	11	2	8	4454	44.54	29.6933
34	0	0	1	2	0	0	0	8	0	17	0	0	0	0	0	0	0	15	0	0	3	3	0	13	12	8	8	3	0	0	1	0	0	0	0	394	3.94	2.6267
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	9	0.09	0.0600
36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0.14	0.0933
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0.27	0.1800
38	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0.12	0.0800
39	0	0	0	0	0	4	0	0	0	0	2	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	284	2.84	1.8933

RIO BLANCO OIL SHALE COMPANY
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OBS	VEG_TYP	TRANSECT	DATE	SPECIES	GR_FRM	PAR	SP 1	SP 2	SP 3	SP 4	SP 5	SP 6	SP 7	SP 8	SP 9	SP 10	SP 11	SP 12	SP 13	SP 14	SP 15	SP 16	SP 17	SP 18	SP 19	SP 20	SP 21	SP 22	SP 23	SP 24	SP 25	SP 26	SP 27	SP 28	SP 29	SP 30	SP 31	SP 32	SP 33	SP 34
40	PJ	C	70281	PEN SPP	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	PJ	C	70281	PHY FLO	F	C	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	PJ	C	70281	POA SPP	G	C	0	0	0	0	4	3	0	0	0	0	15	0	8	0	0	0	0	0	6	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
43	PJ	C	70281	SEN MUL	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	PJ	C	70281	SIS LIN	F	C	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	PJ	C	70281	SIT HYS	G	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
46	PJ	C	70281	TRI GYM	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	PJ	D	70681		B	C	35	16	4	0	66	12	9	11	43	20	16	0	0	0	24	55	43	56	68	57	59	48	49	31	6	36	0	10	5	0	19	0	3	34
48	PJ	D	70681		D	C	5	21	77	80	6	3	5	0	3	2	8	90	4	92	2	37	51	7	0	4	0	6	43	0	38	0	96	30	0	76	33	10	76	30
49	PJ	D	70681		M	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	PJ	D	70681		R	C	60	53	19	0	26	85	61	89	41	71	74	0	53	5	73	6	6	36	32	32	41	55	8	68	28	64	0	35	92	11	35	86	21	35
51	PJ	D	70681	AGR SPP	G	C	0	10	0	0	0	0	20	0	10	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	0	0	0	1
52	PJ	D	70681	AST PUR	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OBS	SP 35	SP 36	SP 37	SP 38	SP 39	SP 40	SP 41	SP 42	SP 43	SP 44	SP 45	SP 46	SP 47	SP 48	SP 49	SP 50	SP 51	SP 52	SP 53	SP 54	SP 55	SP 56	SP 57	SP 58	SP 59	SP 60	SP 61	SP 62	SP 63	SP 64	SP 65	SP 66	SP 67	SP 68	SP 69	SP 70	SP 71	SP 72	SP 73	SP 74	SP 75
40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
45	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	14	24	27	42	13	0	23	3	9	8	14	30	0	24	0	8	41	67	8	4	0	65	29	14	42	20	33	33	4	34	16	16	28	36	57	10	15	37	4	13	0
48	0	17	71	45	20	93	53	4	12	39	0	8	93	19	99	0	35	33	0	75	100	10	37	12	0	63	19	42	11	7	6	71	24	3	26	73	50	14	82	13	100
49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	86	48	2	13	23	7	24	93	63	44	86	62	7	53	0	92	24	0	92	11	0	17	33	62	58	13	33	27	51	58	77	13	43	57	2	1	0	49	4	17	0
51	0	0	0	0	0	0	0	0	16	0	0	1	0	4	1	0	0	0	0	0	0	0	0	8	0	0	0	8	0	0	0	0	1	4	4	0	6	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	SP 076	SP 077	SP 078	SP 079	SP 080	SP 081	SP 082	SP 083	SP 084	SP 085	SP 086	SP 087	SP 088	SP 089	SP 090	SP 091	SP 092	SP 093	SP 094	SP 095	SP 096	SP 097	SP 098	SP 099	SP 100	SP 101	SP 102	SP 103	SP 104	SP 105	SP 106	SP 107	SP 108	SP 109	SP 110	SP 111	SP 112	SP 113	SP 114	SP 115	SP 116
40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	37	5	26	20	8	47	32	48	6	46	11	46	39	15	10	43	8	51	0	8	26	31	9	27	24	30	47	8	61	24	27	3	6	42	18	0	38	41	0	2	49
48	8	84	38	11	63	32	51	10	86	3	59	36	37	0	6	13	76	6	74	89	42	53	81	6	7	11	4	8	21	11	62	0	8	52	64	70	41	9	83	2	17
49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	54	5	33	53	13	21	13	38	3	46	24	18	12	81	73	38	13	43	5	3	20	16	3	44	61	46	27	84	18	58	10	97	86	5	18	0	18	44	17	96	33
51	0	0	0	4	0	0	3	1	0	2	0	0	2	0	0	0	0	0	3	0	11	0	0	11	6	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	SP 117	SP 118	SP 119	SP 120	SP 121	SP 122	SP 123	SP 124	SP 125	SP 126	SP 127	SP 128	SP 129	SP 130	SP 131	SP 132	SP 133	SP 134	SP 135	SP 136	SP 137	SP 138	SP 139	SP 140	SP 141	SP 142	SP 143	SP 144	SP 145	SP 146	SP 147	SP 148	SP 149	SP 150	SP 151	SP 152	SP 153	SP 154	SP 155	SUM C V	PER C V	MEAN C
40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.01	0.0067
41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0.06	0.0400
42	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	4	0	0	0	76	0.76	0.5067				
43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.03	0.0200				
44	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	12	0.12	0.0800				
45	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	20	0.20	0.1333				
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.01	0.0067				
47	33	8	16	0	10	1	8	18	11	50	35	7	44	6	19	13	49	0	54	51	0	43	12	2	7	3	43	7	16	33	0	0	29	2	3349	33.49	22.3267				
48	31	20	18	100	3	13	10	0	48	13	4	73	13	23	3	0	0	24	6	6	59	3	0	4	12	33	9	22	19	0	100	12	6	40	4575	45.75	30.5000				
49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.05	0.0333				
50	21	61	66	0	86	66	78	82	36	21	36	7	28	58	68	87	48	86	27	26	41	54	88	54	80	7	38	68	58	67	0	80	42	58	5959	59.59	39.7267				
51	13	11	0	0	0	13	0	0	5	10	4	0	15	13	0	0	0	0	12	6	0	0	0	0	0	4	0	3	10	0	0	8	20	0	312	3.12	2.0800				
52	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	8	0.08	0.0533				

RIO BLANCO OIL SHALE COMPANY
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OBS	VEG_TYPE	TRANSECT	DATE	SPECIES	GR_FRM	PARAM	SP01	SP02	SP03	SP04	SP05	SP06	SP07	SP08	SP09	SP10	SP11	SP12	SP13	SP14	SP15	SP16	SP17	SP18	SP19	SP20	SP21	SP22	SP23	SP24	SP25	SP26	SP27	SP28	SP29	SP30	SP31	SP32	SP33	SP34	SP35	SP36	SP37	SP38	SP39	SP40	SP41	SP42	SP43	SP44	SP45	SP46
53	PJ	D	70681	BRO TEC	G	C	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	10	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	PJ	D	70681	CRU SPP	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	PJ	D	70681	GUT SAR	S	C	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	PJ	D	70681	HOR JUB	G	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	PJ	D	70681	IPO AGG	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	PJ	D	70681	KOE CRI	G	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	PJ	D	70681	ORY HYM	G	C	0	0	0	0	0	0	5	0	3	0	0	0	4	0	0	0	0	0	0	7	0	0	0	0	0	0	0	8	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	PJ	D	70681	PHY FLO	F	C	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	PJ	D	70681	POA SPP	G	C	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	10	0	0
62	PJ	D	70681	SIS LIN	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	PJ	D	70681	SIT HYS	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	PJ	D	70681	SPH COC	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
65	PJ	D	70681	UNK COM	F	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OBS	SP47	SP48	SP49	SP50	SP51	SP52	SP53	SP54	SP55	SP56	SP57	SP58	SP59	SP60	SP61	SP62	SP63	SP64	SP65	SP66	SP67	SP68	SP69	SP70	SP71	SP72	SP73	SP74	SP75	SP76	SP77	SP78	SP79	SP80	SP81	SP82	SP83	SP84	SP85	SP86	SP87	SP88	SP89	SP90	SP91	SP92	SP93	SP94	SP95	SP96	SP97	SP98	SP99	SP100	SP101
53	0	0	0	0	0	0	0	7	0	0	1	0	0	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	21	3	1	16	0	0	1	4	0	4	0	1	0	0	3	0	0	0	0	0	0	7	0	2	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	7	0	0	0	4	0	11	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	10	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	7	0	0	0	0	0	13	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	3	11	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	SP 1	SP 2	SP 3	SP 4	SP 5	SP 6	SP 7	SP 8	SP 9	SP 10	SP 11	SP 12	SP 13	SP 14	SP 15	SP 16	SP 17	SP 18	SP 19	SP 20	SP 21	SP 22	SP 23	SP 24	SP 25	SP 26	SP 27	SP 28	SP 29	SP 30	SP 31	SP 32	SP 33	SP 34	SP 35	SP 36	SP 37	SP 38	SP 39	SP 40	SP 41	SP 42	SP 43	SP 44	SP 45	SP 46	SP 47	SP 48	SP 49	SP 50	SUM C	PER C	MEAN C
53	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	4	0	0	7	0	0	0	0	0	120	1.20	0.800000
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.03	0.020000
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0.20	0.133333
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0.13	0.086667
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.02	0.013333
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.03	0.020000
59	22	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	113	1.13	0.753333
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.03	0.020000
61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0.60	0.400000
62	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0.09	0.060000
63	0	0	0	6	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0.37	0.246667
64	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	6	11	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	36	0.36	0.240000
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.01	0.006667

Biomass data for species occurring within compartments of the range exclosure study site.

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE - BIOMASS DATA 1981

OBS	VEG TYPE	TRANSECT	DATE	SPECIES	GRAM	PAR	SP01	SP02	SP03	SP04	SP05	SP06	SP07	SP08	SP09	SP10	SP11	SP12	SP13	SP14	SP15	SP16	SP17	SP18	SP19	SP20	SP21	SP22	SP23	SP24	SP25	SP26
1	PJ	A	63081	AGR SPP	G	B	0.5	0.0	0.0	0.0	0	0.2	0.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0
2	PJ	A	63081	BRO TEC	G	B	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0
3	PJ	A	63081	CAR SPP	G	B	0.0	0.0	0.0	0.0	0	0.3	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0
4	PJ	A	63081	LEP PER	F	B	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0
5	PJ	A	63081	ORY HYM	G	B	0.0	0.0	0.0	0.0	0	0.2	0.0	0	0	0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0
6	PJ	A	63081	PHY FLO	F	B	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0
7	PJ	A	63081	POA SPP	G	B	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	1.2	1.3	0.0	4.0	0.1	0	0.0
8	PJ	A	63081	SEN MUL	F	B	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0	0.0
9	PJ	A	63081	SIT HYS	G	B	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0
10	PJ	B	63081	AGR SPP	G	B	0.0	0.0	0.6	0.2	0	0.0	0.0	0	0	0	1.0	1.9	0.0	0.0	8.7	0.0	0.6	2.0	0.0	0.7	13.5	0.0	4.0	0.0	0	2.6
11	PJ	B	63081	AST DIV	F	B	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4
12	PJ	B	63081	CAR SPP	G	B	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0
13	PJ	B	63081	GUT SAR	S	B	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0

OBS	SP27	SP28	SP29	SP30	SP31	SP32	SP33	SP34	SP35	SP36	SP37	SP38	SP39	SP40	SP41	SP42	SP43	SP44	SP45	SP46	SP47	SP48	SP49	SP50	SP51	SP52	SP53	SP54	SP55	SP56	SP57	SP58	SP59	SP60
1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	5	0.0	0.0	0.0	0.0	.	.	.	.	.	.	.	.	.	.
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	.	.	.	.	.	.	.	.	.	.
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	.	.	.	.	.	.	.	.	.	.
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.1	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	.	.	.	.	.	.	.	.	.	.
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	.	.	.	.	.	.	.	.	.	.
6	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	.	.	.	.	.	.	.	.	.	.
7	1.4	0.0	0.9	0.0	1.6	0.0	0.0	0.3	0	0	0.0	0	0.0	0	0.0	0.0	0.0	1.8	0.0	0	0.0	0.0	0.0	0.0	.	.	.	.	.	.	.	.	.	.
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0	0.0	0.0	0.0	0.1	0.0	0	0.0	0.0	0.0	0.0	.	.	.	.	.	.	.	.	.	.
9	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	0.0	.	.	.	.	.	.	.	.	.	.
10	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0	2	0.0	0	0.0	0	0.6	0.3	0.0	0.0	0.0	4	1.1	0.3	0.0	0.0	0.7	4.2	0.0	0	0.0	0	2.9	0	3.0	0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0	0.0	0.1	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE - BIOMASS DATA 1981

	SP61	SP62	SP63	SP64	SP65	SP66	SP67	SP68	SP69	SP70	SP71	SP72	SP73	SP74	SP75	SP76	SP77	SP78	SP79	SP80	SP81	SP82	SP83	SP84	SP85	SP86	SP87	SP88	SP89	SP90	SP91	SP92	SP93	SP94	SP95	SP96	SP97
1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10	0	2.7	0.0	0.6	0.4	3.5	0	0	0.6	0	4.1	4.9	1.5	0	0.7	1.2	2	0.0	5	0	0.3	0	0	0.0	0.9	0.0	0	1.6	3.5	0.0	0	0.5	0.4	0	1.5	0.7	0
11	0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0
12	0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0
13	0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0.0	0.0	0	4.2	0.3	0	0.0	0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0

	SP98	SP99	SP101	SP102	SP103	SP104	SP105	SP106	SP107	SP108	SP109	SP110	SP111	SP112	SP113	SP114	SP115	SP116	SP117	SP118	SP119	SP120	SP121	SP122	SP123	SP124	SP125	SP126	SP127	SP128	SP129	SP130	SP131	SP132	SP133	SP134	SP135	SUM B̄I0	MEAN B̄M
1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	6.7	0.134
2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.7	0.014
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.3	0.006
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.1	0.002
5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	13.7	0.274
6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.3	0.006
7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	15.7	0.314
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.3	0.006
9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	2.0	0.040
10	0.0	0	1.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	94.9	0.949
11	0.0	0	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.5	0.005
12	0.0	0	2.2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	2.2	0.022
13	0.0	0	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	4.5	0.045

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE - BIOMASS DATA 1981

OBS	VEG_TYPE	TRANSECT	DATE	SPECIES	GR_FRM	PARAM	SP01	SP02	SP03	SP04	SP05	SP06	SP07	SP08	SP09	SP10	SP11	SP12	SP13	SP14	SP15	SP16	SP17	SP18	SP19	SP20	SP21	SP22	SP23	SP24
14	PJ	B	63081	HAP NUT	F	B	0.0	0.0	0.0	0	0.0	0.0	0	1.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0
15	PJ	B	63081	IPO AGG	F	B	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0
16	PJ	B	63081	ORY HYM	G	B	0.0	3.1	0.0	0	0.0	0.6	0	0.0	0.0	0	1.6	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	1.4	0
17	PJ	B	63081	PHY FLO	F	B	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0
18	PJ	B	63081	POA SPP	G	B	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	1.5	0.0	0
19	PJ	B	63081	SEN MUL	F	B	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0	7.4	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0
20	PJ	B	63081	SIS LIN	F	B	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0
21	PJ	B	63081	TRI GYM	F	B	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0
22	PJ	B	63081	UNK COM	F	B	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0
23	PJ	C	70281	AGR SPP	G	B	0.0	0.0	0.9	0	0.0	0.0	0	0.8	0.5	0	0.5	0	0.0	0.7	2.1	0.0	5.6	0	0.0	0	1.8	0.0	0.0	0
24	PJ	C	70281	BRO TEC	G	B	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0
25	PJ	C	70281	GUT SAR	S	B	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0
26	PJ	C	70281	HED BOR	F	B	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0

OBS	SP25	SP26	SP27	SP28	SP29	SP30	SP31	SP32	SP33	SP34	SP35	SP36	SP37	SP38	SP39	SP40	SP41	SP42	SP43	SP44	SP45	SP46	SP47	SP48	SP49	SP50	SP51	SP52	SP53	SP54
14	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0
15	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0
16	1.0	0.7	0	0.0	0	0.0	0	0	0	0	0.0	0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.8	10.7	0	0	0.0	0.4	7.5	0.0	0	0.3	0.0
17	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0
18	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0
19	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0
20	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0.0	0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0
21	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.1
22	0.0	0.4	0	0.0	0	0.0	0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.3	0.0	0	0.0	0.0
23	2.4	0.0	0	0.0	0	1.8	0	0	0	0	3.3	0	0.2	1.6	0.0	2.9	0.0	0.8	0.0	0.0	0.0	0	0	0.3	0.0	0.0	0.0	0	1.4	1.5
24	0.0	0.0	0	0.0	0	0.2	0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0
25	0.0	0.0	0	2.2	0	0.0	0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0
26	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0

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	SP 57	SP 58	SP 59	SP 60	SP 61	SP 62	SP 63	SP 64	SP 65	SP 66	SP 67	SP 68	SP 69	SP 70	SP 71	SP 72	SP 73	SP 74	SP 75	SP 76	SP 77	SP 78	SP 79	SP 80	SP 81	SP 82	SP 83	SP 84	SP 85
14	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0
15	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.1	0.0	0.0	0	0.0	0.0	0.1	0.0	0	0.0	0	0.0	0.0	0.0
16	0.0	0.0	10.4	0	0.0	0.0	1.7	7.9	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.2	0.0	0	0.6	0.0	0.7	0.0	0	0.0	0	0.0	1.3	0.0
17	0.0	0.0	0.0	0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0	0.1	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.1	0	0.0	0.0	0.0
18	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0
19	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0
20	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0
21	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.2	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0
22	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0
23	7.4	0.3	0.2	0	0.5	0.4	0.0	2.2	2.2	3.2	0.0	0	3.6	0.5	0	0.0	0.0	5.1	0	3.3	2.3	0.0	0.8	0	0.0	0	0.6	0.0	0.6
24	0.0	0.0	0.0	0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0
25	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0
26	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0

	SP 86	SP 87	SP 88	SP 89	SP 90	SP 91	SP 92	SP 93	SP 94	SP 95	SP 96	SP 97	SP 98	SP 99	SP 100	SP 101	SP 102	SP 103	SP 104	SP 105	SP 106	SP 107	SP 108	SP 109	SP 110	SP 111	SP 112	SP 113	SP 114	SP 115	SP 116	SP 117	SP 118	SP 119	SP 120	SP 121	SP 122
14	0.0	0	0.0	0	0.0	0	0.0	0.0	0	0	0	0	0.0	0	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
15	0.0	0	0.0	0	0.0	0	0.0	0.1	0	0	0	0	0.2	0	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16	0.0	0	0.2	0	0.0	0	3.6	0.3	0	0	0	0	1.0	0	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
17	0.2	0	0.0	0	0.5	0	0.0	0.0	0	0	0	0	0.0	0	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18	0.0	0	0.0	0	0.0	0	0.0	0.0	0	0	0	0	0.7	0	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
19	0.0	0	0.0	0	0.0	0	0.0	0.0	0	0	0	0	0.3	0	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	0.0	0	0.0	0	0.0	0	0.0	0.0	0	0	0	0	0.0	0	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
21	0.0	0	0.0	0	0.0	0	0.0	0.0	0	0	0	0	0.0	0	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
22	0.0	0	0.0	0	0.0	0	0.0	0.0	0	0	0	0	0.0	0	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
23	0.0	0	0.0	0	0.0	0	1.1	0.0	0	0	0	0	1.1	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0	0	0.0	0.0	0.5	0	0	0	0.1	0.1	0.0	0.0	0
24	0.0	0	0.0	0	0.0	0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0	0	0.0	0.0	0.0	0.0	0
25	0.0	0	0.0	0	0.0	0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0	0	0.0	0.0	0.0	0.0	0
26	0.0	0	0.0	0	0.0	0	0.0	0.0	0	0	0	0	0.0	0	4.5	0	0.0	0	0.0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0	0	0.0	0.0	0.0	0.0	0

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	SP 1 2 3	SP 1 2 4	SP 1 2 5	SP 1 2 6	SP 1 2 7	SP 1 2 8	SP 1 2 9	SP 1 3 0	SP 1 3 1	SP 1 3 2	SP 1 3 3	SP 1 3 4	SP 1 3 5	SP 1 3 6	SP 1 3 7	SP 1 3 8	SP 1 3 9	SP 1 4 0	SP 1 4 1	SP 1 4 2	SP 1 4 3	SP 1 4 4	SP 1 4 5	SP 1 4 6	SP 1 4 7	SP 1 4 8	SP 1 4 9	SP 1 5 0	SUM_BIOM	MEAN_BM
14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	0.010000
15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.5	0.005000
16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	57.6	0.576000
17	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1.4	0.014000
18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7.7	0.077000
19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7.7	0.077000
20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.1	0.001000
21	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.3	0.003000
22	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.7	0.007000
23	1.8	0.0	3	0.0	0	0	0	0	0	0	3.6	0.0	0.0	1.3	0.7	0	3.4	4.1	2.2	1.9	0.3	0	0.0	0.3	0.0	0	0	0.0	87.8	0.585333
24	0.0	0.0	0	0.0	0	0	0	0	0	0	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.7	0.0	0.0	0	0	0.0	1.9	0.012667
25	0.0	0.0	0	0.0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	2.2	0.014667
26	0.0	0.0	0	0.0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	4.5	0.030000

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OBS	VEG TYPE	TRANSECT	DATE	SPECIES	GRAM	PAR	SP01	SP02	SP03	SP04	SP05	SP06	SP07	SP08	SP09	SP10	SP11	SP12	SP13	SP14	SP15	SP16	SP17	SP18	SP19	SP20	SP21	SP22	SP23	SP24	SP25	SP26
27	PJ	C	70281	HOR JUB	G	B	0.0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0
28	PJ	C	70281	ORY HYM	G	B	0.0	5.5	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	1.5	0.0	0.6	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0
29	PJ	C	70281	PEN SPP	F	B	0.0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0
30	PJ	C	70281	PHY FLO	F	B	0.0	0.6	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0
31	PJ	C	70281	POA SPP	G	B	0.0	0.0	0	0	0.3	0.1	0.0	0	0.0	0.0	1.0	0	2.7	0.0	0.0	0.0	0	0.0	0.5	0.0	0	0	1.1	0.0	0.0	0
32	PJ	C	70281	SEN MUL	F	B	0.0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0
33	PJ	C	70281	SIS LIN	F	B	0.3	0.0	0	0	0.0	0.0	0.0	0	0.1	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0
34	PJ	C	70281	SIT HYS	G	B	0.0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0
35	PJ	C	70281	TRI GYM	F	B	0.0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0
36	PJ	D	70681	AGR SPP	G	B	0.0	4.4	0	0	0.0	0.0	3.9	0	2.8	1.1	0.2	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0
37	PJ	D	70681	AST FUR	F	B	0.0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0
38	PJ	D	70681	BRO TEC	G	B	0.0	0.0	0	0	0.3	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.1	0.0	0.0	0	0	0.0	0.0	0.0	0
39	PJ	D	70681	CRU SPP	F	B	0.0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0

OBS	SP27	SP28	SP29	SP30	SP31	SP32	SP33	SP34	SP35	SP36	SP37	SP38	SP39	SP40	SP41	SP42	SP43	SP44	SP45	SP46	SP47	SP48	SP49	SP50	SP51	SP52	SP53	SP54	SP55	SP56	SP57	SP58	SP59	SP60
27	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.2	0	0.0	0.0	0	0.0
28	0.0	0.3	0.0	0.0	0	0.0	0	0.0	0	0	0	0.0	2.9	0	0.0	0	0.0	0.0	0	0.0	0	0	0.1	0.0	5.2	0	7.1	0.0	0.0	0	0.7	0.1	0	0.0
29	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0
30	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0
31	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0.0	0.0	0	0.7	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0
32	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0
33	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0.2	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.2	0.0	0	0.3	0.0	0.0	0	0.0	0.0	0	0.0
34	0.0	0.0	0.0	0.0	0	0.0	0	1.1	0	1	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0
35	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0
36	0.5	0.0	0.1	0.0	0	0.0	0	0.2	0	0	0	0.0	0.0	0	0.0	0	3.4	0.0	0	0.5	0	0	0.1	0.0	0.0	0	0.0	0.0	0.0	0	0.0	1.0	0	0.0
37	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0
38	0.0	0.0	0.0	0.4	1	0.0	0	0.0	0	0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.4	0.0	0	0.1	0.0	0	0.4
39	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0

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	SP6 1	SP6 2	SP6 3	SP6 4	SP6 5	SP6 6	SP6 7	SP6 8	SP6 9	SP7 0	SP7 1	SP7 2	SP7 3	SP7 4	SP7 5	SP7 6	SP7 7	SP7 8	SP7 9	SP8 0	SP8 1	SP8 2	SP8 3	SP8 4	SP8 5	SP8 6	SP8 7	SP8 8	SP8 9	SP9 0
27	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	1.2	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0
28	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	1.3	0.0	0.0	0	0.0	0.0	0.0	9.9	0.0	0	0.0	0.0	5.6	0.0	0.0	0	1.0	0.0	0.0
29	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0
30	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0
31	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0
32	0.0	0.1	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.5	0	0.0	0.0	0.0
33	0.0	0.0	0.0	0	0.0	0.2	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0
34	0.0	0.0	0.0	0	0.0	0.0	0.6	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0
35	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0.0
36	0.0	0.9	0.0	0	0.0	0.0	0.1	0.3	1.0	0	0.6	0.0	0.0	0.0	0	0.0	0.0	0.0	0.6	0.0	0	0.6	0.4	0.0	0.4	0.0	0	0.3	0.0	0.0
37	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0
38	0.0	0.0	0.0	0	0.2	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.2	3.5	0.2	0.2	1.8	0	0.0	0.1	0.4	0.0	0.3	0	0.1	0.0	0.0
39	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.9	0.0

	SP9 1	SP9 2	SP9 3	SP9 4	SP9 5	SP9 6	SP9 7	SP9 8	SP9 9	SP1 0	SP1 1	SP1 2	SP1 3	SP1 4	SP1 5	SP1 6	SP1 7	SP1 8	SP1 9	SP1 0	SP1 1	SP1 2	SP1 3	SP1 4	SP1 5	SP1 6	SP1 7	SP1 8	SP1 9	SP2 0	SP2 1	SP2 2	SP2 3
27	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
28	0.0	0	5.5	0.0	0	0.0	0	1.4	0.0	0.0	0.0	0.2	0	4.3	0	0.0	1	0	0	0	0	0.2	0.0	3.2	0	0.0	0.0	0	0.0	0.0	0.1	0.0	0.0
29	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
30	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
31	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.4	0.0	0.0	0.0
32	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
33	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0	0.0	0.3	0.0	0	0.0	0.0	0	0.0	0.1	0.0	0.0	0.0
34	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.1	0.0	0	0.0	0	0.0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.2	0.0	0.0	0.0
35	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
36	0.0	0	0.0	0.6	0	1.9	0	0.0	2.1	1.0	2.1	0.0	0	0.0	0	0.0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	1.6	2	0.0	0.0	0.0	4.2	0.0
37	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	1.1	0.0
38	0.1	0	0.0	0.0	0	0.0	0	0.4	0.0	0.2	0.0	0.0	0	0.0	0	0.3	0	0	0	0	0	0.0	0.0	0.0	0	0.1	0.0	0	0.0	0.0	0.0	0.0	0.1
39	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0

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OBS	SP 1 2 4	SP 1 2 5	SP 1 2 6	SP 1 2 7	SP 1 2 8	SP 1 2 9	SP 1 3 0	SP 1 3 1	SP 1 3 2	SP 1 3 3	SP 1 3 4	SP 1 3 5	SP 1 3 6	SP 1 3 7	SP 1 3 8	SP 1 3 9	SP 1 4 0	SP 1 4 1	SP 1 4 2	SP 1 4 3	SP 1 4 4	SP 1 4 5	SP 1 4 6	SP 1 4 7	SP 1 4 8	SP 1 4 9	SP 1 5 0	SUM_BIOM	MEAN_BM
27	0.9	0.0	0.0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	2.3	0.015333
28	0.0	0.0	0.4	0.0	0	0.0	0.0	0	0	1.4	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	59.5	0.396667
29	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.3	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.3	0.002000
30	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.6	0.004000
31	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0	0.0	4.5	0.0	0.0	0	0.0	0.0	0	0.6	0.0	0.0	0.0	11.9	0.079333
32	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.6	0.004000
33	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0.0	0.2	0.1	0.0	0	0	0.1	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.2	2.3	0.015333
34	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.4	0.0	0.0	3.4	0.022667
35	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.2	0.001333
36	0.0	0.8	1.4	0.4	0	1.8	2.4	0	0	0.0	0.0	1.9	0.6	0	0	0.0	0.0	0.0	0.4	0	0.7	3.8	0	0.0	3.8	4.8	0.0	61.7	0.411333
37	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.6	0.0	1.7	0.011333
38	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0.3	0.0	0.0	0.0	0	0	0.0	0.0	0.1	0.4	0	0.0	1.2	0	0.0	0.0	0.0	0.0	12.9	0.086000
39	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.9	0.006000

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OBS	VEG_TYPE	TRANSECT	DATE	SPEC_IS	GR_FRM	PAR	SP01	SP02	SP03	SP04	SP05	SP06	SP07	SP08	SP09	SP10	SP11	SP12	SP13	SP14	SP15	SP16	SP17	SP18	SP19	SP20	SP21	SP22	SP23	SP24	SP25	SP26	SP27	SP28	SP29	SP30	SP31
40	PJ	D	70681	GUT SAR	S	B	0	0	0	0	0	0	0.0	0	0.0	0.0	0	0	0.0	0.2	0.0	0	0	0	0	0.0	0	0.0	0	0.0	2.4	0	0	0.0	0	0.0	0
41	PJ	D	70681	HOR JUB	G	B	0	0	0	0	0	0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	0.0	0.2	0	0	0.0	0	0.0	0
42	PJ	D	70681	IPO AGG	F	B	0	0	0	0	0	0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0
43	PJ	D	70681	KOE CRI	G	B	0	0	0	0	0	0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0
44	PJ	D	70681	ORY HYM	G	B	0	0	0	0	0	0	1.1	0	2.7	0.0	0	0	0.2	0.0	0.0	0	0	0	0	1.3	0	0.0	0	0.0	0.0	0	0	1.3	0	0.0	0
45	PJ	D	70681	PHY FLO	F	B	0	0	0	0	0	0	0.0	0	0.0	0.6	0	0	0.0	0.0	0.1	0	0	0	0	0.0	0	0.0	0	0.2	0.0	0	0	0.0	0	0.0	0
46	PJ	D	70681	POA SPP	G	B	0	0	0	0	0	0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	0.0	0.8	0	0	0.0	0	0.0	0
47	PJ	D	70681	SIS LIN	F	B	0	0	0	0	0	0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0	0	0.0	0	0.1	0	0.0	0.0	0	0	0.0	0	0.0	0
48	PJ	D	70681	SIT HYS	F	B	0	0	0	0	0	0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.2	0
49	PJ	D	70681	SPH COC	F	B	0	0	0	0	0	0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0
50	PJ	D	70681	UNK COM	F	B	0	0	0	0	0	0	0.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0

OBS	SP32	SP33	SP34	SP35	SP36	SP37	SP38	SP39	SP40	SP41	SP42	SP43	SP44	SP45	SP46	SP47	SP48	SP49	SP50	SP51	SP52	SP53	SP54	SP55	SP56	SP57	SP58	SP59	SP60	SP61	SP62	SP63	SP64	SP65	SP66	SP67	SP68	SP69	SP70	SP71	SP72	SP73	SP74
40	0.0	0	0	0	0.0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0.4	0	0.0	0	0.0	0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0	0	0	0	0.0
41	0.0	0	0	0	0.0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0	0	0	0	0.0
42	0.0	0	0	0	0.0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0	0	0	0	0.0
43	0.0	0	0	0	0.0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0	0	0	0	0.0
44	1.4	0	0	0	0.0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0.0	0	0.6	0	0	0.2	0	2.1	0.0	0	0	0.4	0	0.8	0	0	0	0	0.3
45	0.0	0	0	0	0.0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0	0	0	0	0.0
46	0.0	0	0	0	1.0	0	0	0	0	0	0	0	0.7	0	0	0	0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0	0	0	0	0.0
47	0.0	0	0	0	0.0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0	0	0	0	0.0
48	0.0	0	0	0	0.0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	2.4	0	0.0	0	0	0.0	0	0.3	0.0	0	0	0.0	0	0.0	0	0	0	0	0.0
49	0.0	0	0	0	0.4	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0	0	0	0	0.0
50	0.0	0	0	0	0.0	0	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0	0	0	0	0.0

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE - BIOMASS DATA 1981

	SP 7 5	SP 7 6	SP 7 7	SP 7 8	SP 7 9	SP 8 0	SP 8 1	SP 8 2	SP 8 3	SP 8 4	SP 8 5	SP 8 6	SP 8 7	SP 8 8	SP 8 9	SP 9 0	SP 9 1	SP 9 2	SP 9 3	SP 9 4	SP 9 5	SP 9 6	SP 9 7	SP 9 8	SP 9 9	SP 1 0 0	SP 1 0 1	SP 1 0 2	SP 1 0 3	SP 1 0 4	SP 1 0 5	SP 1 0 6	SP 1 0 7	SP 1 0 8	SP 1 0 9	SP 1 1 0	SP 1 1 1
40	0	0	0	0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0.0	0	0
41	0	0	0	0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	2.4	0.0	0.0	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0.0	0	0
42	0	0	0	0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0.2	0	0	0.0	0	0	0.0	0	0	0	0.0	0	0
43	0	0	0	0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0.0	0	0
44	0	0	0	0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.4	0.0	0.0	0.0	0	0.0	0	0.0	0	0	1.0	0	0	2.6	0	0	0.0	0	0	0	0.0	0	0
45	0	0	0	0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0.0	0	0
46	0	0	0	0	0.0	0	0	0.0	0.0	0.1	0.0	0.0	0	0.7	0.0	0.0	0.0	0.0	0	0.6	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0.0	0	0
47	0	0	0	0	0.0	0	0	0.0	0.4	0.0	0.6	0.0	0	0.2	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0.3	0	0
48	0	0	0	0	0.0	0	0	0.0	0.0	0.0	0.0	0.4	0	0.0	0.0	0.0	0.2	0.1	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0	1.1	0	0	0	0.0	0	0
49	0	0	0	0	0.8	0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.3	0	0	0.0	0	0	0.0	0	0	0.4	0	0	0	0.0	0	0
50	0	0	0	0	0.0	0	0	0.3	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0.0	0	0

	SP 1 1 1	SP 1 1 2	SP 1 1 3	SP 1 1 4	SP 1 1 5	SP 1 1 6	SP 1 1 7	SP 1 1 8	SP 1 1 9	SP 1 2 0	SP 1 2 1	SP 1 2 2	SP 1 2 3	SP 1 2 4	SP 1 2 5	SP 1 2 6	SP 1 2 7	SP 1 2 8	SP 1 2 9	SP 1 3 0	SP 1 3 1	SP 1 3 2	SP 1 3 3	SP 1 3 4	SP 1 3 5	SP 1 3 6	SP 1 3 7	SP 1 3 8	SP 1 3 9	SP 1 4 0	SP 1 4 1	SP 1 4 2	SP 1 4 3	SP 1 4 4	SP 1 4 5	SP 1 4 6	SP 1 4 7	SP 1 4 8	SP 1 4 9	SP 1 5 0	SUM B I O	MEAN B M
40	0.0	0.0	0	0	0	0.0	0	0	0	0	0.4	0.0	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.4	0.022667
41	0.0	0.0	0	0	0	0.0	0	0	0	0	0.0	0.0	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6	0.017333
42	0.0	0.0	0	0	0	0.0	0	0	0	0	0.0	0.0	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.001333
43	0.0	0.0	0	0	0	0.0	0	0	0	0	0.0	0.0	0	0	0.0	1.4	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0.009333
44	0.0	0.6	0	0	0	0.0	0	0	0	0	0.2	0.5	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	18.6	0.124000
45	0.0	0.0	0	0	0	0.0	0	0	0	0	0.0	0.0	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	0.006000
46	0.0	0.0	0	0	0	0.0	0	0	0	0	0.0	0.0	0	0	0.0	0.9	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.8	0.032000
47	0.0	0.0	0	0	0	0.0	0	0	0	0	0.0	0.0	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6	0.010667
48	0.5	0.0	0	0	0	0.0	0	0	0	0	0.0	0.0	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.2	0.034667
49	0.0	0.0	0	0	0	0.3	0	0	0	0	0.0	0.0	0	0	0.9	2.2	0	0	0	0	0	0	0	0.2	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.5	0.036667
50	0.0	0.0	0	0	0	0.0	0	0	0	0	0.0	0.0	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.002000

APPENDIX 6-6.2

Analyses for Range Exclosure Data

Results of a one-way ANOVA comparing cover and biomass among range exclosure compartments. Analyses correspond to those summarized on Table 6-65.

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE STUDIES - 1981
ONE-WAY ANALYSIS OF VARIANCE COMPARING EXCLOSURE TRANSECTS
FOR MEAN COVER ESTIMATES BY MAJOR GROWTH FORMS
GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
TRANSECT	4	A B C D

NUMBER OF OBSERVATIONS IN BY GROUP = 28

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE STUDIES - 1981
ONE-WAY ANALYSIS OF VARIANCE COMPARING EXCLOSURE TRANSECTS
FOR MEAN COVER ESTIMATES BY MAJOR GROWTH FORMS
GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: MEAN_CO

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	3	0.00191230	0.00063743
ERROR	24	0.13222222	0.00550926
CORRECTED TOTAL	27	0.13413452	

MODEL F =	0.12		PR > F = 0.9500

R-SQUARE	C.V.	STD DEV	MEAN_CO MEAN
0.014257	107.6830	0.07422438	0.06892857

SOURCE	DF	TYPE I SS	F VALUE	PR > F
TRANSECT	3	0.00191230	0.12	0.9500

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE STUDIES - 1981
ONE-WAY ANALYSIS OF VARIANCE COMPARING EXCLOSURE TRANSECTS
FOR MEAN COVER ESTIMATES BY MAJOR GROWTH FORMS
GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
TRANSECT	4	A B C D

NUMBER OF OBSERVATIONS IN BY GROUP = 22

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE STUDIES - 1981
ONE-WAY ANALYSIS OF VARIANCE COMPARING EXCLOSURE TRANSECTS
FOR MEAN COVER ESTIMATES BY MAJOR GROWTH FORMS
GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: MEAN_CO

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	3	4.45808241	1.48602747
ERROR	18	28.56497870	1.58694326
CORRECTED TOTAL	21	33.02306111	

MODEL F =	0.94	PR > F =	0.4436

R-SQUARE	C.V.	STD DEV	MEAN_CO MEAN
0.134999	121.3232	1.25973936	1.03833333

SOURCE	DF	TYPE I SS	F VALUE	PR > F
TRANSECT	3	4.45808241	0.94	0.4436

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE STUDIES - 1981
ONE-WAY ANALYSIS OF VARIANCE COMPARING EXCLOSURE TRANSECTS
FOR BIOMASS CONCENTRATIONS BY MAJOR GROWTH FORMS
GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
TRANSECT	4	A B C D

NUMBER OF OBSERVATIONS IN BY GROUP = 28

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE STUDIES - 1981
ONE-WAY ANALYSIS OF VARIANCE COMPARING EXCLOSURE TRANSECTS
FOR BIOMASS CONCENTRATIONS BY MAJOR GROWTH FORMS
GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: MEAN_BM

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	3	0.00054412	0.00018137
ERROR	24	0.00694929	0.00028955
CORRECTED TOTAL	27	0.00749341	

MODEL F =	0.63	PR > F =	0.6050

R-SQUARE	C.V.	STD DEV	MEAN_BM MEAN
0.072613	131.6177	0.01701628	0.01292857

SOURCE	DF	TYPE I SS	F VALUE	PR > F
TRANSECT	3	0.00054412	0.63	0.6050

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE STUDIES - 1981
ONE-WAY ANALYSIS OF VARIANCE COMPARING EXCLOSURE TRANSECTS
FOR BIOMASS CONCENTRATIONS BY MAJOR GROWTH FORMS
GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
TRANSECT	4	A B C D

NUMBER OF OBSERVATIONS IN BY GROUP = 22

RIO BLANCO OIL SHALE COMPANY
VEGETATION STUDIES MONITORING PROGRAM

RANGE EXCLOSURE STUDIES - 1981
ONE-WAY ANALYSIS OF VARIANCE COMPARING EXCLOSURE TRANSECTS
FOR BIOMASS CONCENTRATIONS BY MAJOR GROWTH FORMS
GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: MEAN_BM

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	3	0.14633959	0.04877986
ERROR	18	0.88705485	0.04928083
CORRECTED TOTAL	21	1.03339444	

MODEL F =	0.99		PR > F = 0.4199

R-SQUARE	C.V.	STD DEV	MEAN_BM MEAN
0.141611	130.0739	0.22199285	0.17066667

SOURCE	DF	TYPE I SS	F VALUE	PR > F
TRANSECT	3	0.14633959	0.99	0.4199

Form 1279–3
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